

細胞・細胞骨格・オルガネラ 関連マーカー

神経科学分野抗体試薬



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Toll-Free Tel: (US & Canada): 1.877.BIOLEGEND (246.5343)

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イントロダクション

BioLegendの神経科学分野関連製品は、神経変性・シナプス生物学・神経炎症・基礎神経科学など各神経科学分野でお使いいただけるよう、お求めやすく高品質な試薬が揃っています。BioLegendの抗体製品は、厳密なプロセスにより選抜されたのち、バリデーションを受けて、品質と再現性の最も高い抗体のみが製品となります。細胞表面や細胞骨格、オルガネラなどのマーカーとなるたくさんの抗体クローニングは、神経科学分野の研究に有用で、下記アプリケーションにおいて強力なツールとなります；

用途	免疫組織化学	免疫細胞化学	ウエスタンブロット
細胞種類の区別	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
細胞表現型または形態の可視化	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
細胞の局在	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
細胞内局在の検出	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
細胞の活性化度	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
神経プロセスの評価	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
タンパク質の相互作用			<input checked="" type="checkbox"/>
タンパク質の発現レベル	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

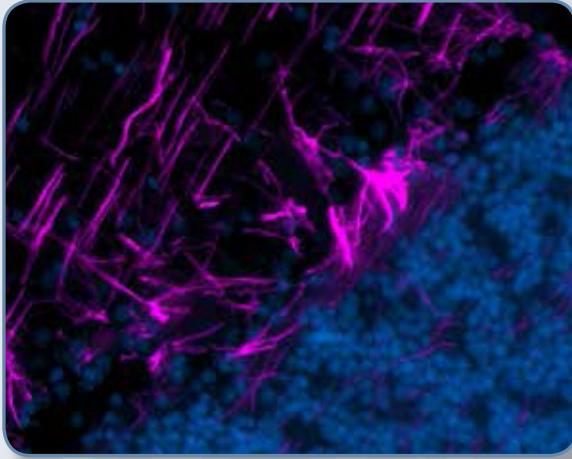
加えて、我々の保有する細胞表面抗原マーカー抗体は特異的な細胞の分取に最適で、細胞分離システムMojoSort™に適合します。さらに、HRP, Biotin, and Alexa Fluor®などの直接標識抗体のラインナップ充実に努めてまいります。HRP and Alexa Fluor® 標識抗体は、one step stainingやsimplify western blotting、二次抗体の必要なしの免疫染色などを可能にします。

対象ターゲットへの強く特異的な結合が示され、免疫組織染色研究におけるゴールドスタンダードであるSMI®モノクローナル抗体製品も、BioLegendが提供しております。ニューロフィリンやミエリンベーシックプロテイン、GFAP, MAP2などをターゲットにした抗体では、リン酸化および非リン酸化抗体をお選びいただけます。

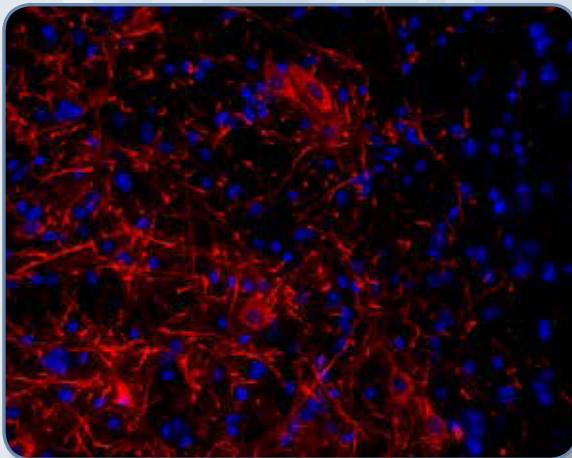
製品リストや詳細に関しては、右記をご参照ください：biolegend.com/neuroscience

Alexa Fluor® is a registered trademark of Life Technologies Corporation.
Brilliant Violet™ is a trademark of Sirigen.
CyTOF® is a registered trademark of DVS Sciences.

Neurofilaments (NFs)は、ニューロンの細胞骨格の主な構成成分で、軸索構造を支持する役割を果たしています。哺乳類の Neurofilamentは、分子量によって、軽鎖 (NF-L) 、中鎖 (NF-M) 、重鎖 (NF-H) 3つのサブユニットのに分けられています。NFsに対する抗体はNFsを発現していないグリア細胞からニューロンを区別するのに適しています。神経変性疾患では異常なNFs修飾が起こるため、免疫染色によるNFs修飾の検出は、神経病理学における診断ツールとして非常に価値があります。

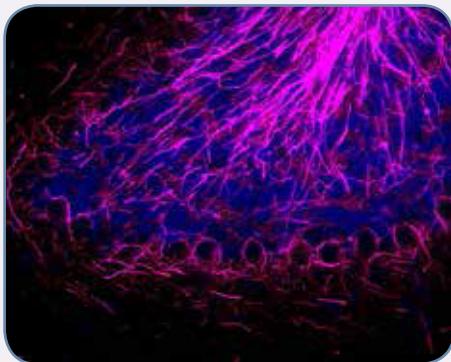


IHC staining of Alexa Fluor® 647 anti-Neurofilament H/M, Phosphorylated antibody (clone SMI 310, magenta) on FFPE human cerebellum tissue. Nuclei were counterstained with DAPI (blue).



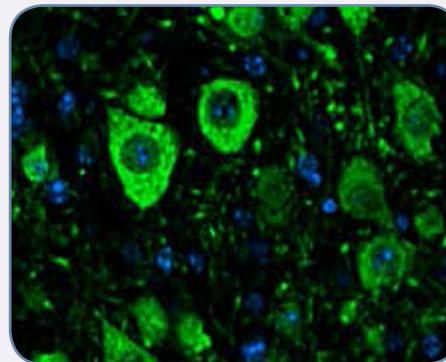
IHC staining of Alexa Fluor® 594 anti-Neurofilament H (NF-H), Non-Phosphorylated antibody (clone SMI 32, red) on frozen mouse brain tissue. Nuclei were counterstained with DAPI (blue).

Neurofilament H/M, Hypophosphorylated



IHC staining of Alexa Fluor® 647 anti-Neurofilament H/M, Hypophosphorylated antibody (clone SMI 35, magenta) on FFPE mouse brain tissue. Nuclei were counterstained with DAPI (blue).

NSE



IHC staining of purified anti-NSE antibody (clone NSE-P1, green) on FFPE mouse brain tissue. Nuclei were counterstained with DAPI (blue).

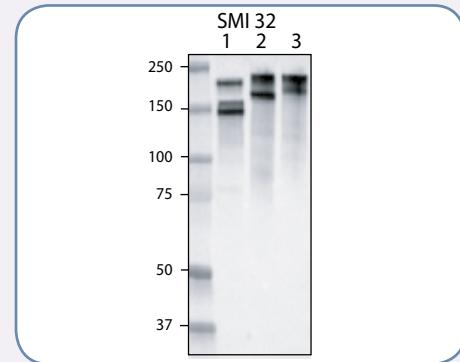
細胞骨格マーカー抗体製品

神経マーカー

Specificity	Clone	Reactivity	Application
Enolase	NSE-P1*	Hu, Ms, Rat	IHC-P, ICC
	NSE-P2	Hu	WB, IHC-P
FOX3 (NeuN)	1B7	Hu, Ms, Rat	WB, IHC-P, ICC
	N-GAD65*	Hu, Ms, Rat	WB, IHC-P
Neurofilament Light	NFL2	Hu, Ms, Rat	WB, IHC-P
	NFL3*	Hu, Ms, Rat	WB, IHC-P
Neurofilament Medium	Poly28227	Hu, Ms, Rat	WB, IHC-P
	Poly28410	Hu, Ms, Rat	WB, IHP-P
Neurofilament Medium & Heavy	RMdO-20	Hu, Ms, Rat	WB
Neurofilament Medium & Heavy, Non-Phosphorylated	SMI 33	Hu, Ms, Rat	WB, IHC-P
	SMI 35*	Hu, Ms, Rat	WB, IHC-P, ICC
Neurofilament Medium & Heavy, Hypophosphorylated	SMI 310*	Hu, Ms, Rat	WB, IHC-P
	SMI 310*	Hu, Ms, Rat	WB, IHC-P
Neurofilament Heavy, Non-Phosphorylated	Poly28226	Hu, Ms, Rat	WB, IHC-P
	Poly28408	Hu, Ms, Rat	WB, IHC-P
SMI 32*	SMI 32*	Hu, Ms, Rat	WB, IHC-P, ICC
	SMI 37*	Mammalian	WB, IHC-P
SMI 38*	SMI 38*	Hu, Rat	WB, IHC-P
	SMI 39	Mammalian	IHC-P
Neurofilament Heavy, Phosphorylated	SMI 31*	Hu, Ms, Rat	WB, IHC-P, ICC
	SMI 34	Mammalian	WB, IHC-P
SMI 36	SMI 36	Mammalian	WB, IHC-P
	SMI 311	Mammalian	WB, IHC-P
Neurofilament Marker (pan axonal, cocktail)	SMI 312	Hu, Ms, Rat	WB, IHC-P
	AA6	Mammalian	WB
MAP2	Poly18406	Mammalian	WB, IHC-P
	Poly28225	Hu, Ms, Rat	IHC-P
SMI 52*	SMI 52*	Ms, Rat	IHC-P
	AA10*	Hu, Ms, Rat	WB, IHC-P, IHC-F, ICFC
Tubulin ~3	Poly18020*	Hu, Ms, Rat	WB, IHC-P
	TUJ1*	Hu, Ms, Rat	WB, IHC-P, ICC
Tubulin ~3, D epolymerized	SMI 61	Mammalian	WB, IHC-P, ICC
Tubulin ~3, P olymerized	SMI 62	Mammalian	WB, ICC
Tyrosine Hydroxylase	2/40/15	Hu, Ms, Rat	WB, IHC-P

*Multiple conjugated formats available.

Neurofilament H



Western blot of HRP anti-Neurofilament H (NF-H), Nonphosphorylated antibody (clone SMI 32). Lane 1: 20 µg of human brain lysate; Lane 2: 20 µg of rat brain lysate; Lane 3: 20 µg of mouse brain lysate.

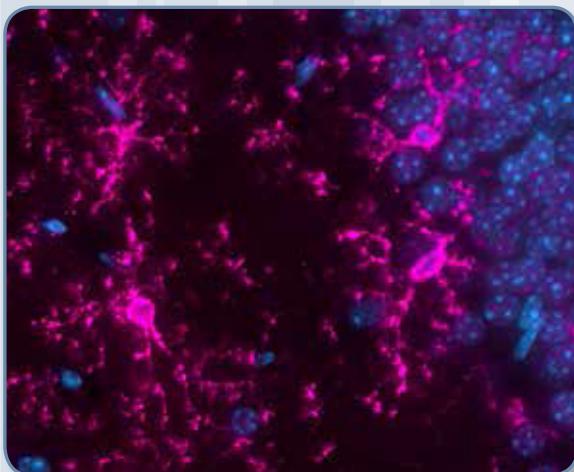
ミクログリアマーカー

Specificity	Clone	Reactivity	Application
CD11b	CBRM1/5*	Hu	IP, FC
	ICRF44*	Hu, NHP	IHC-F, ICC, FC, CyTOF®
CD45	M1/70*	Hu, Ms, NHP	IHC, IF, IP, FC, CyTOF®
	HI30*	Hu, NHP	WB, IHC, IF, FC, CyTOF®
	HI100*	Hu, NHP	IHC, ICC, FC, CyTOF®
CD68	MEM-55*	Hu	WB, IHC-P, FC
	RA3-6B2*	Hu, Ms, Cat	IHC-F, IP, FC, CyTOF®
	Tü116	Hu, NHP	FC
CX3CR1	FA-11*	Ms	WB, IHC-F, IP, FC, ICFC
	KP1	Hu	WB, IHC-P, IP
	Y1/82A*	Hu	IHC, ICC, ICFC
Chil3/Ym1	A17046B	Ms	WB
MerTK	2A9-1*	Hu	FC
	8E10.D9*	Hu	WB, IHC-P
	K0124E1*	Hu, NHP	FC
P2RY12	SA011F11*	Ms	FC
	590H11G1E3	Hu	FC
	2B10C42	Ms	FC
P2X7R	A311F9G3E1	Hu	WB
	S16007D*	Ms	IHC-P, IF, FC
	S16007E*	Hu	FC
Siglec-H	1F11	Ms	WB, IHC, IP, FC
TMEM119	551*	Ms	FC
	A16075D	Hu	WB, ICC, FC

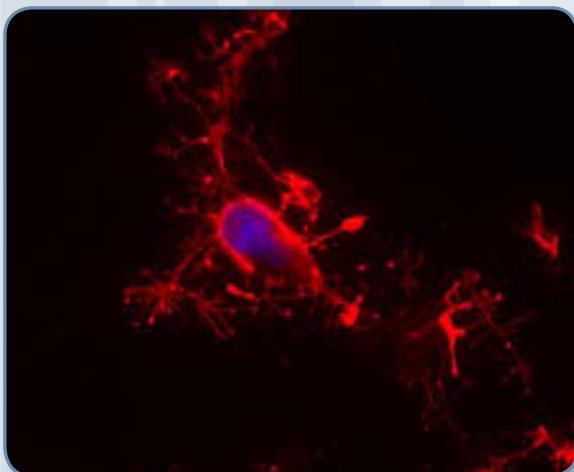
*Multiple conjugated formats available.

詳細は右記をご参照ください : biologend.com/microglia

P2RY12 と TMEM119 は、免疫染色で脳内もしくは血液由來の脳内ミクログリアを他の細胞から区別するために最適なマーカーです。これらのマーカーは脳からミクログリアを分取するのにもお使いいただけます。



IHC staining of purified anti-P2RY12 antibody (clone S16007D, magenta) on FFPE mouse brain tissue. Nuclei were counterstained with DAPI (blue).



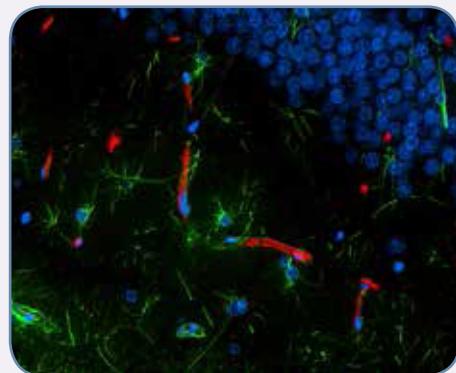
ICC staining of purified anti-TMEM119 (Extracellular) antibody (clone A16075D, red) on HEK293 cells transfected with human TMEM119. Nuclei were counterstained with DAPI (blue).

NeuN



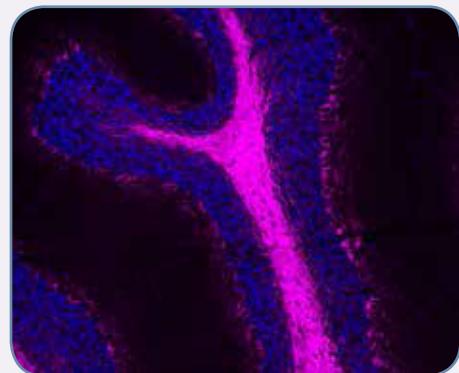
IHC staining of purified anti-FOX3 (NeuN) antibody (clone 1B7) on FFPE mouse brain tissue. The section was counterstained with hematoxylin.

GFAP & Rat Blood-Brain Barrier



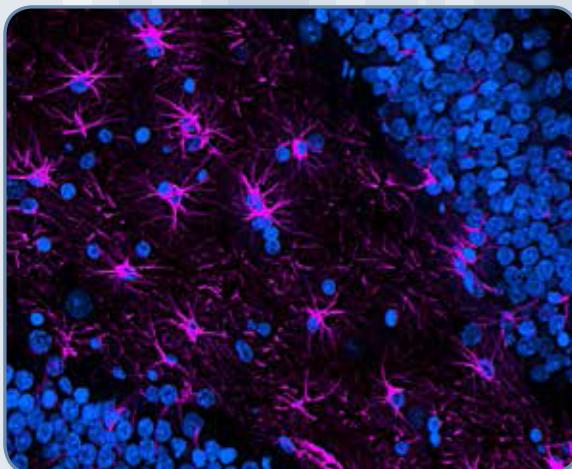
IHC staining of Alexa Fluor® 594 anti-Rat Blood-Brain Barrier antibody (clone SMI 71, red) and Alexa Fluor® 488 anti-GFAP antibody (clone SMI 25, green) on FFPE rat brain tissue. Nuclei were counterstained with DAPI (blue).

Neurofilament H/M, Phosphorylated



IHC staining of Alexa Fluor® 647 anti-Neurofilament H/M, Phosphorylated antibody (clone SMI 310, magenta) on FFPE rat cerebellum tissue. Nuclei were counterstained with DAPI (blue).

Glial fibrillary acidic protein (GFAP)は、中間フィラメントファミリーに属するタンパク質で、細胞骨格と細胞構造、細胞機能に寄与しています。GFAPは特にアストロサイトで発現していますが、神経幹細胞でも高頻度に発現しています。抗GFAP抗体はアストロサイトの形態変化や活性段階を区別するのにとても有効に使用されています。例えば反応性アストロサイトは、不活性状態のラミファイドアストロサイトよりもGFAPを高発現しています。



IHC staining of Alexa Fluor® 647 anti-GFAP antibody (clone SMI 25, magenta) on FFPE rat brain tissue. Nuclei were counterstained with DAPI (blue).



IHC staining of purified anti-GFAP antibody (clone SMI 24) on FFPE mouse brain tissue. The section was counterstained with hematoxylin.

アストロサイトマーカー

Specificity	Clone	Reactivity	Application
GFAP	15C7D5D2	Hu	WB, ELISA
	2E1.E9*	Hu, Ms, Rat	WB, IHC-F, ICC, FC
	Poly28294	Hu, Ms, Rat	WB, IHC-P, ICC
	SMI 21	Hu, NHP, Canine	WB, IHC-P, ICC
	SMI 22	Mammalian, Chicken	WB, IHC-P, ICC, ELISA
	SMI 23	Mammalian	WB, IHC-P
	SMI 24	Mammalian	WB, IHC-P
	SMI 25*	Mammalian	WB, IHC-P
	SMI 26	Mammalian, Chicken	WB, IHC-P, ICC, ELISA
S100B	11C12E12	Hu, Ms, Rat	WB

詳細は右記をご参照ください：biolegend.com/astrocytes

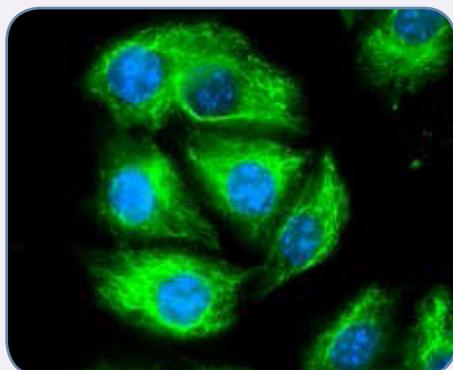
オリゴデンドロサイトマーカー

Specificity	Clone	Reactivity	Application
A2B5	105	Hu, Ms	FC
Myelin Basic Protein (MBP)	P82H9	Hu, Rat	WB, IHC-P
	SMI 94	Mammalian	WB, IHC-P
	SMI 99	Mammalian	WB, IHC-P, ICC, ELISA
Myelin CNPase	SMI 91*	Hu, Ms, Rat	WB, IHC-P
PDGFR ⁺	16A1*	Hu	FC
	APA5*	Ms	FC
Adenomatous polyposis coli (APC)	Ali 12-28	Hu	WB
Sox-10	BSB-62	Hu, Ms, Rat	IHC-P
Vimentin	O91D3*	Hu	WB, ICC
	Poly29191	Hu, Ms, Rat	WB, IHC-P, ICC

*Multiple conjugated formats available.

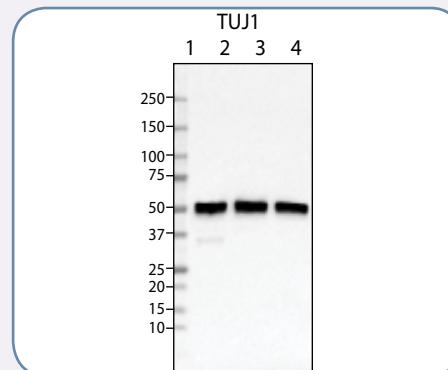
詳細は右記をご参照ください：biolegend.com/oligodendrocytes

Vimentin



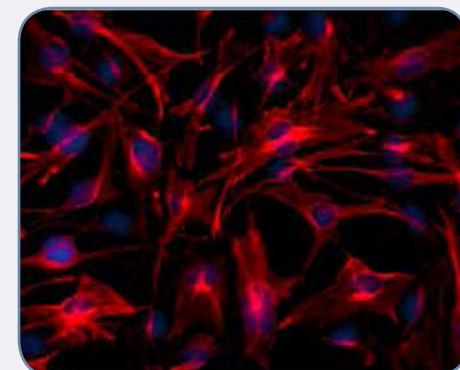
ICC staining of purified anti-Vimentin antibody (Poly29191, green) on A431 cells. Nuclei were counterstained with DAPI (blue).

Tubulin β 3



Western blot of purified anti-Tubulin β 3 (TUBB3) antibody (clone TUJ1). Lane 1: Molecular weight marker; Lane 2: 20 μ g of human brain lysate; Lane 3: 20 μ g of mouse brain lysate; Lane 4: 20 μ g of rat brain lysate.

GFAP



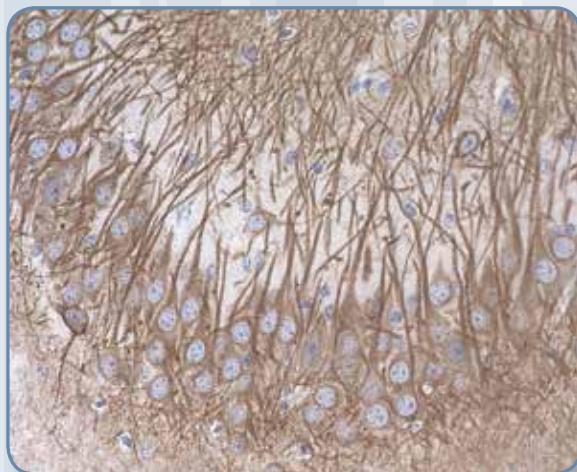
ICC staining of purified anti-GFAP (Cocktail) antibody (clone SMI 22, red) on U251 cells. Nuclei were counterstained with DAPI (blue).

幹細胞マーカー

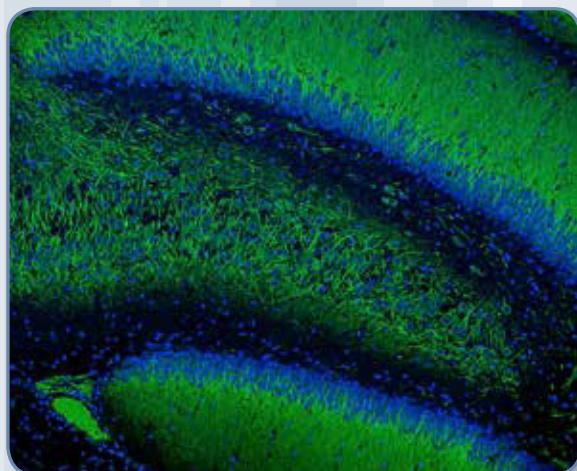
Specificity	Clone	Reactivity	Application
A2B5	105	Hu, Ms	FC
Gli-1	Poly6424	Hu	WB
MAP2	AA6	Mammalian	WB
	Poly18406	Mammalian	WB, IHC-P
	Poly28225	Hu, Ms, Rat	WB, IHC-P
	SMI 52*	Ms, Rat	IHC-P
Nestin	10C2	Hu	WB, IHC-P, ICC, ICFC
	Nestin 20	Hu, Ms	WB, IHC-P, ICC
	Poly18419	Hu	WB, IHC-P, ICC
	Rat-401	Ms, Rat	WB, IHC-P
NFATc2	16A12A31	Ms	WB
NKX2-1 (TTF-1)	14D3A28	Ms	WB
Notch 1	HMN1-12*	Ms	FC
	MHN1-519*	Hu	FC
	mN1A	Hu, Ms	WB, ICFC
	N253/32	Hu, Ms, Rat	WB, IHC-P
Notch 1 ⁻	5B6	Hu, Ms, Rat	WB, IHC-P, Direct ELISA
	5C12	Hu, Ms, Rat	IHC-P, Direct ELISA
	6B11/Notch	Hu, Ms, Rat	IHC-P, Direct ELISA
Notch 2	HMN2-35*	Ms	FC
	MHN2-25*	Hu	FC
PAX-6	Poly19013	Mammalian	WB, IHC-P, ICC
Prox1	Poly19252	Hu, Ms, Rat	WB, IHC-P
	W16098A*	Hu	WB, ICC
RUNX1	1C5B16*	Hu, Ms	WB, ICC, IP
SOX2	14A6A34*	Hu, Ms	WB, ICC, FC
	Poly6308	Hu	WB
SSEA-1	FH6	Hu	FC
	HI98*	Hu, NHP	FC
	MC-480*	Hu, Ms	FC
	W6D3*	Hu	FC
SSEA-4	MC-813-70*	Hu, Ms, NHP	FC
STAT3	15H2B45*	Hu	ICFC
	4G4B45*	Hu, Ms	ICC
	P83B5*	Hu, Ms	WB, ChIP
STAT3 Phospho (Ser727)	A16089B*	Hu	WB, ICFC, ChIP
STAT3 Phospho (Tyr705)	13A3-1*	Hu, Ms	ICFC
	A16002B*	Hu	WB, ICFC, ChIP

*Multiple conjugated formats available.

MAP2として知られている、Microtubule-associated protein 2は、微小管重合に関与するニューロン特異的細胞骨格タンパク質です。MAP2は、神経細胞の樹状突起に集積しています。このたんぱく質に対する抗体はニューロン細胞の形態、樹状突起の検出や評価、樹状突起と軸索の区別などのマーカーとして有用です。

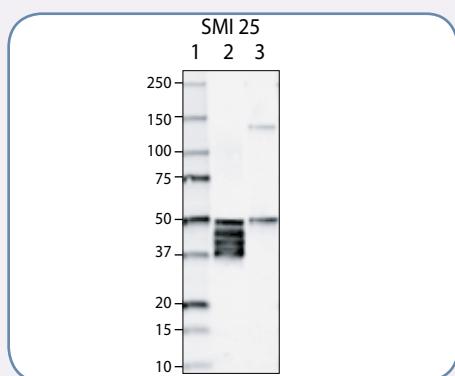


IHC staining of HRP anti-MAP2 antibody (clone SMI 52) on FFPE rat brain tissue. The section was counterstained with hematoxylin and bluing solution.



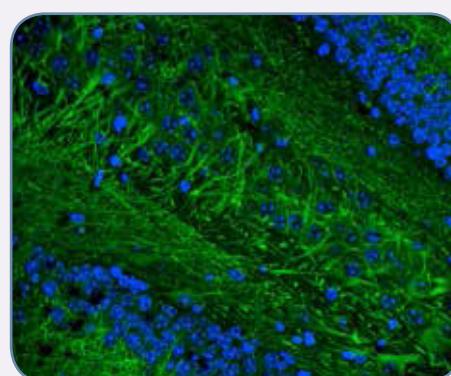
IHC staining of Alexa Fluor® 488 anti-MAP2 antibody (clone SMI 52, green) on FFPE rat brain tissue. Nuclei were counterstained with DAPI (blue).

GFAP



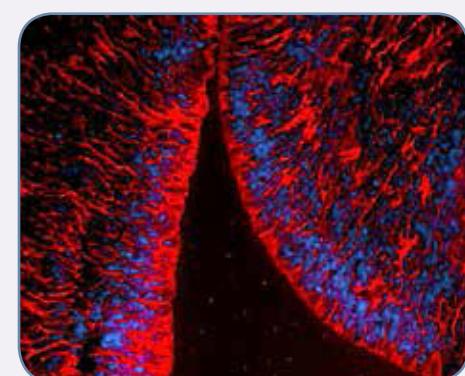
Western blot of HRP anti-GFAP (clone SMI 25). Lane 1: Molecular weight marker; Lane 2: 20 µg of human brain lysate; Lane 3: 20 µg of rat brain lysate.

MAP2



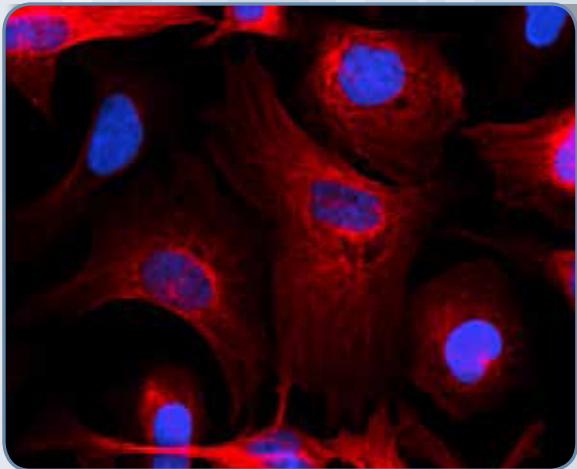
IHC staining of Alexa Fluor® 488 anti-MAP2 antibody (clone SMI 52, green) on FFPE mouse brain tissue. Nuclei were counterstained with DAPI (blue).

Nestin

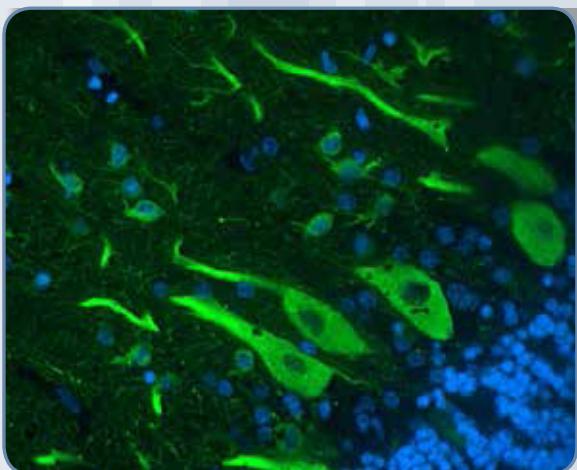


IHC staining of Alexa Fluor® 594 anti-Nestin antibody (clone Rat-401, red) on FFPE Embryonic Day 15 mouse brain tissue. Nuclei were counterstained with DAPI (blue).

Tubulinは、微小管の主な構成成分で、細胞内輸送に必要な細胞骨格の主成分です。 β 3-tubulinとして知られるClass III β -tubulinは、TUBB3遺伝子にコードされており、ニューロンで豊富に発現しています。 β 3-tubulinに対する抗体は通常、免疫組織染色や免疫細胞染色で用いられ、他のグリア細胞からニューロンを区別するのに用いられています。



ICC staining of purified anti-Tubulin Beta 3 (TUBB3) antibody (clone AA10, red) on NTERA-2 cells. Nuclei were counterstained with DAPI (blue).



IHC staining of Alexa Fluor® 488 anti-Tubulin β 3 (TUBB3) antibody (clone TUJ1, green) on FFPE normal human cerebellum tissue. Nuclei were counterstained with DAPI (blue).

内皮細胞マーカー

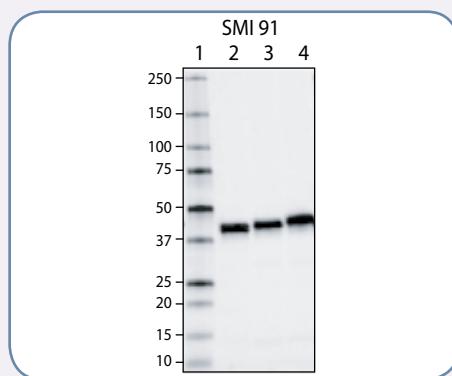
Specificity	Clone	Reactivity	Application
Rat Blood-Brain Barrier	SMI 71*	Rat	IHC-P
Podoplanin	8.1.1*	Ms	FC
	D2-40	Hu	WB, IHC-P
	NC-08*	Hu	FC, ICC

細胞骨格関連マーカー

Specificity	Clone	Reactivity	Application
γ -Smooth Muscle Actin	1A4	Hu, Rat, Chicken	WB, IHC-P
γ -Skeletal Muscle Actin	Alpha Sr-1	Hu, Ms, Rat, Rb, Chicken	IHC-P
\circ -actin	2F1-1*	Hu, Ms, Rat	WB, ICC
	Poly6221	Hu, Ms, Rat	WB, ICC
	W16197A*	Hu, Ms, Rat, Zebrafish	WB
γ -I Spectrin	17C7	Hu, Ms, Rat	WB, ICC
γ -II Spectrin	D8B7	Hu	WB, IHC-P
γ -Spectrin (SPTAN1)	1C2B10C3C11	Hu	WB, ELISA
	2A5A7H8	Hu	WB, ELISA
	8B8D10F11	Hu	WB, ELISA
γ -Tubulin	10D8*	Hu, Ms, Rat	WB, ICC
	AA13	Mammalian	WB, ICC
	TU-01	All Species	WB, ICC
γ -Tubulin (TUBA8)	P82D6D7	Hu	WB, ICC
\circ -Tubulin	O95C1	Hu, Ms	WB
	TU27/Tubulin	Hu, Ms, Hamster, NHP	WB, ICC
\circ 2B -Tubulin (TUBB2B)	6B1/Tubulin	Mammalian	WB, ICC
	7B9	Mammalian	WB, ICC
\circ 3- Tubulin (TUBB3)	AA10*	Hu, Ms, Rat	WB, IHC-P, IHC-F, ICC, ICFC
	Poly18020	Hu, Ms, Rat	WB, IHC-P, ICC
	TUJ1*	Hu, Ms, Rat	WB, IHC-P
\circ 3- Tubulin (TUBB3), Depolymerized	SMI 61	Mammalian	WB, IHC-P, ICC, ELISA
\circ 3- Tubulin (TUBB3), Polymerized	SMI 62	Mammalian	WB, ICC, ELISA
ζ -Tubulin	14C11	Hu, Ms, Rat	WB, ICC
	Poly6209	Hu, Ms	WB, ICC
Non-muscle Myosin Heavy Chain II-A	Poly19098	Hu, Ms, Rat	WB, ICC
Non-muscle Myosin Heavy Chain II-B	Poly19099	Hu, Ms, Rat	WB, ICC
Myosin Heavy Chain	H11	Mammalian	WB, ICC, IP
	Poly6212	Hu, Rat	ICC

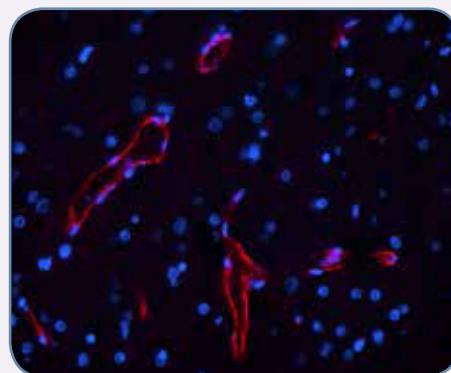
*Multiple conjugated formats available.

Myelin CNPase



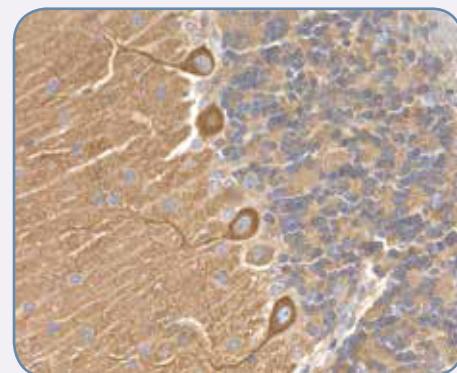
Western blot of HRP anti-Myelin CNPase antibody (clone SMI 91). Lane 1: Molecular weight marker; Lane 2: 20 μ g of human brain lysate; Lane 3: 20 μ g of mouse brain lysate; Lane 4: 20 μ g of rat brain lysate.

Rat Blood-Brain Barrier



IHC staining of Alexa Fluor® 594 anti-Rat Blood-Brain Barrier antibody (clone SMI 71, red) on FFPE rat brain tissue. Nuclei were counterstained with DAPI (blue).

Alpha-II Spectrin



IHC staining of anti-Alpha-II Spectrin antibody (clone D8B7) on FFPE rat brain tissue. The section was counterstained with hematoxylin.

オルガネラマーカー

オルガネラマーカーに対する抗体はバイオロジカルプロセスの研究に重要なツールです。この抗体はオルガネラの形態変化や細胞の健康状態を測るのに利用されます。例えば、ミトコンドリアをターゲットにした抗体は、傷害を受けた細胞のフラグメント化したミトコンドリアを検出します。オルガネラマーカーはまた、ターゲットたんぱく質の細胞内分布や局在、共局在などの測定に使用されます。BioLegendは様々なオルガネラを検出する抗体製品のラインナップ充実に努めてまいります。

オートファゴソーム マーカー

Specificity	Clone	Reactivity	Application
ATG5	177.19*	Hu, Ms, Rat	WB, IHC-P, ICC
ATG17	W16188A	Hu	WB
Beclin-1	O93F3*	Hu, Ms, Rat	WB
LC3	A15143K	Hu, Ms	IHC-P, ICC
p62	1B5.H9	Hu	WB, IHC-P
	Poly6477	Hu	WB
Rab7A	W16034A*	Hu, Ms, Rat	WB, ICH-P, ICC, Direct ELISA
Ubiquitin	P4G7	All species	WB
Ubiquitin, 50-65 (bound)	3-39	Mammalian	WB, IHC-P, IP, ELISA
Ubiquitin, 64-76 (free,bound)	5-25	Mammalian	WB, IHC-P, ELISA, EM

小胞体関連マーカー

Specificity	Clone	Reactivity	Application
ATF6	W17028A	Hu	WB, ICC
ATF6 ⁻	W17035A	Hu	WB, ICC
GRP94 (HSP90B1)	Poly6499	Hu	WB
p97/VCP	4G9	Hu	WB
Pancortin	K96/7	Ms, Rat	IHC-P

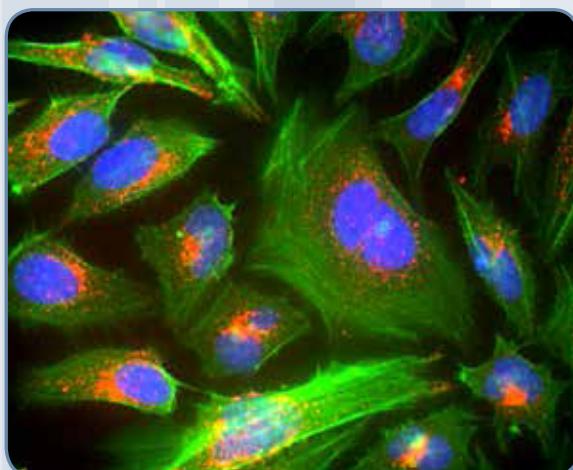
エンドソーム マーカー

Specificity	Clone	Reactivity	Application
Dynamin-1	P83G4B6	Hu, Ms, Rat	WB, IHC-P
Flotillin-1	W16108A	Hu, Ms, Rat	WB
Rab7A	W16034A	Hu, Ms, Rat	WB, IHC-P, ICC, Direct ELISA

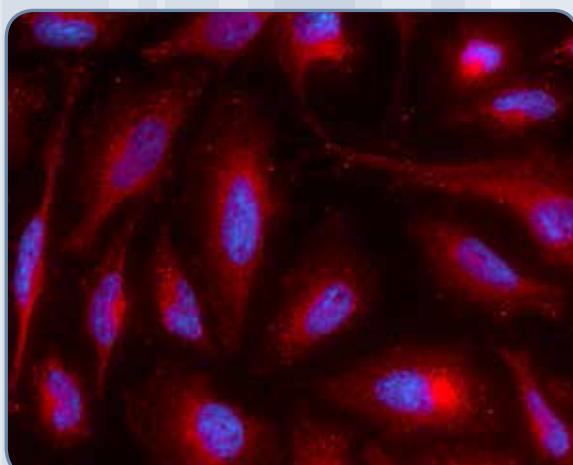
リソソーム マーカー

Specificity	Clone	Reactivity	Application
Cathepsin A	15D2C93	Hu	WB
Cathepsin B	15D10C39	Hu	WB
Cathepsin D	16E12C58	Hu	WB
LAMP1 (CD107a)	H4A3*	Hu, NHP	WB, ICC, FC
LAMP2 (CD107b)	M3/84*	Ms	ICC, FC
	H4B4*	Hu	WB, IHC-P, ICC, FC

*Multiple conjugated formats available.



ICC staining of purified anti-LAMP-1 antibody (clone H4A3, red) on HeLa cells, counterstained with Flash Phalloidin™ Green 488 (green) and DAPI (blue) to visualize actin filaments and nuclei, respectively.



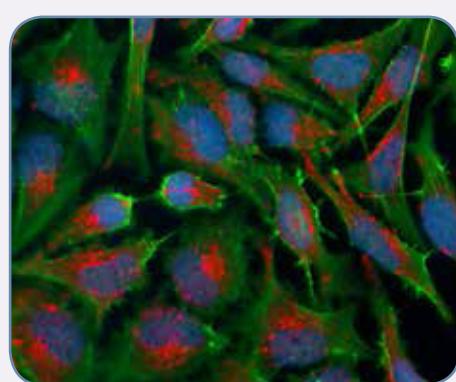
ICC staining of purified anti-ATF6 β antibody (clone W17035A, red) on HeLa cells. Nuclei were counterstained with DAPI (blue).

Sortilin



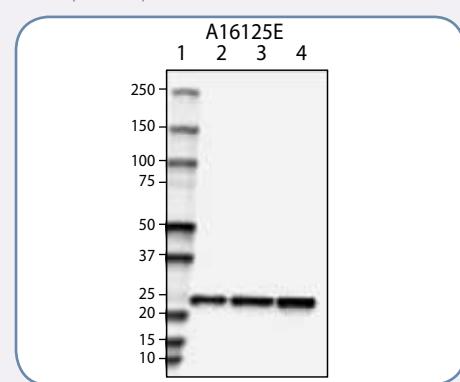
IHC staining of purified anti-Sortilin antibody (clone W16078A) on FFPE rat brain tissue. The section was counterstained with hematoxylin.

LAMP2



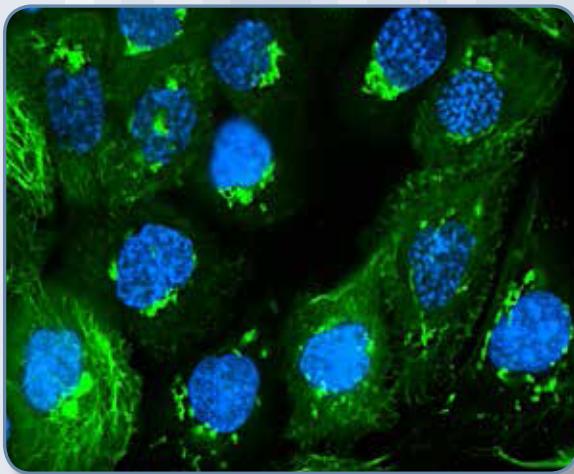
ICC staining of purified anti-LAMP-2 antibody (clone H4B4, red) on HeLa cells, counterstained with Flash Phalloidin™ Green 488 (green) and DAPI (blue) to visualize actin filaments and nuclei, respectively.

DJ-1 (PARK7)

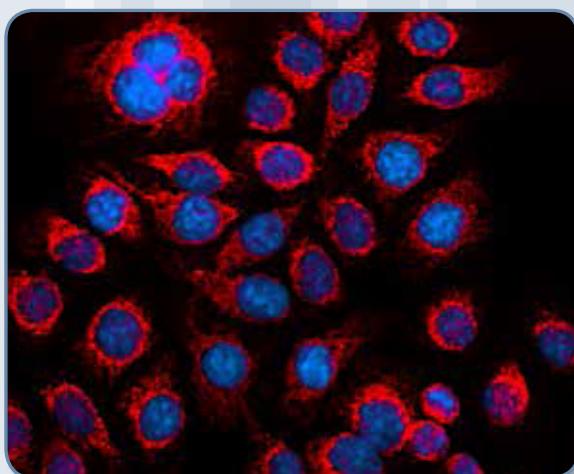


Western blot of HRP anti-DJ-1 (PARK7) antibody (clone A16125E). Lane 1: Molecular weight marker; Lane 2: 20 µg of recombinant human DJ-1 (PARK7) protein; Lane 3: 20 µg of normal human brain lysate; Lane 4: 20 µg of Parkinson's disease brain lysate.

LC3, Rab7A, LAMP1, ATF6, giantin, Cytochrome Cなどに対する特異的な抗体を使って、たんぱく質と、ファゴソームやエンドソーム、リソソーム、ER、ゴルジ体、ミトコンドリアとの共局在を確認することができます。

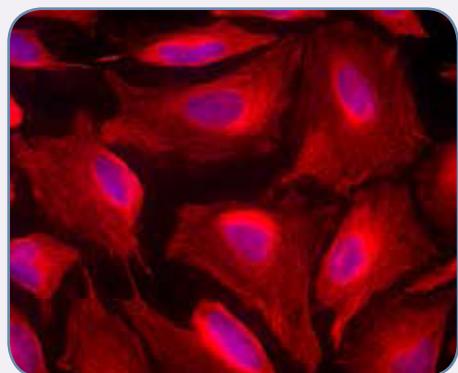


ICC staining of purified anti-GPP130 antibody (Poly19238, green) on A431 cells. Nuclei were counterstained with DAPI (blue).



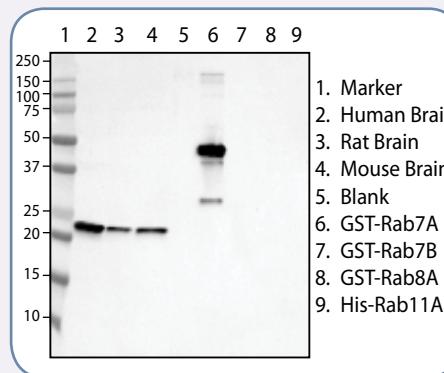
ICC staining of purified anti-cytochrome c antibody (clone 6H2.B4, red) on HeLa cells. Nuclei were counterstained with DAPI (blue).

ATG5



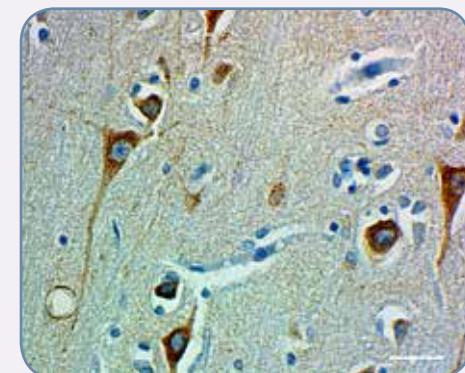
ICC staining of purified anti-ATG5 antibody (clone 177.19, red) on HeLa cells. Nuclei were counterstained with DAPI (blue).

Rab7A



Western blot of anti-Rab7A antibody (clone W16034A). M: Molecular weight marker; brain lysates: 20 µg; recombinant proteins: 10 ng.

VDAC1



IHC staining of Biotin anti-VDAC1 antibody (clone N152B/23) on FFPE human brain tissue. The slide was counterstained with hematoxylin.

グリア細胞マーカー

Specificity	Clone	Reactivity	Application
Giantin	Poly19087*	Hu, Ms, Rat, NHP	WB, ICC
	Poly19243	Hu, Rodent, NHP	WB, ICC
GPP130	Poly19238	Hu, Rodent, NHP	WB, ICC, IP
Sortilin	W16078A	Hu, Rat	WB, IHC-P

ミトコンドリア マーカー

Specificity	Clone	Reactivity	Application
BAP37	Poly6118	Hu, Ms	WB, ICC
	6H2.B4*	Hu, Ms, Rat	WB, ICC, IP, ICFC
DJ-1 (PARK7)	A16125E*	Hu	WB, IHC-P, Direct ELISA
	E2.19	Human, Zebrafish	WB, IHC-P, ELISA
GRP75 (Mortalin)	Poly18081	Hu, Ms, Rat	WB, IHC-P, ELISA
	N52A/42	Hu, Ms, Rat	WB, IHC-P
HSD17B10	5F3	Hu	ICC
	P83G8*	Hu, Ms, Rat	WB, ICC
LRRK2	8G10	Hu, Ms, Rat	WB, ELISA
	MC.028.83.76.242	Hu	IHC-P, Direct ELISA
Parkin	Prk8	Hu, Ms	WB, ELISA
	Prk109	Hu, Ms	WB, ELISA
PINK1	DU46-1.1	Hu	WB, IHC-P, Direct ELISA
	1G3.B6	Hu, Rat	WB, IHC-P
Mitofusin-1	N153/5	Ms, Rat	WB, IHC-P
Mitofusin-2	18G102B2E11*	Hu	WB, IHC-P
TFAM	O91G2	Hu, Ms	WB, ICC
	O91G6	Hu	WB, ICC
UQCRC1	N152B/23	Hu, Ms, Rat	WB, IHC-P
VDAC1			

*Multiple conjugated formats available.

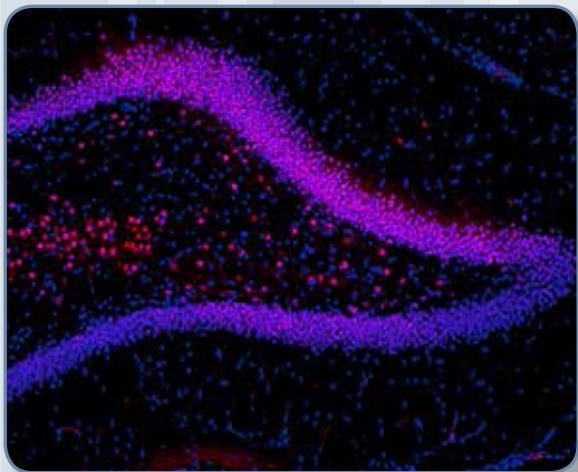
オートファジー や リソソームによる貪食作用に関するポスターを記より無償でダウンロード可能です：biologend.com/literature

核 マーカー

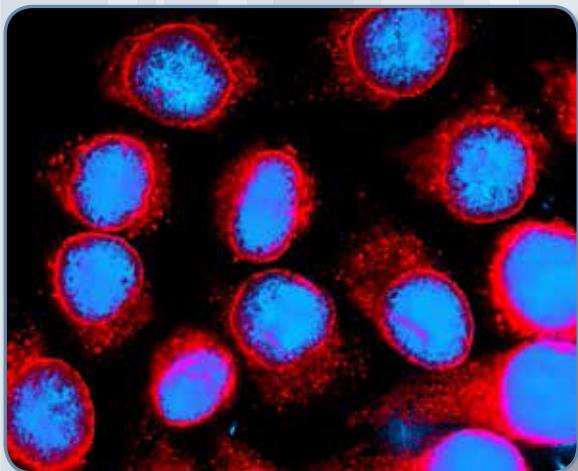
Specificity	Clone	Reactivity	Application
Fibrillarin	38F3	Hu, Rat, Drosophila, <i>S. pombe</i> , <i>C. elegans</i> , plants	WB, ICC
FBXO7	W16207A	Hu	WB, ICC
Lamin A	Poly6135	Hu	WB, ICC
MECP2	N227/21	Hu, Ms, Rat	IHC-P, ICC
MINA	1H6B44	Hu	WB, ICC
NF- κ B p65	14G10A21*	Hu	WB, IP, ICFC
	Poly6226*	Hu, Ms, Rat	WB, ICC, ChIP
NFATc1	7A6*	Hu, Ms, Rat	WB, ICC, ICFC, ChIP
NFATc2	16A12A31	Hu, Ms	WB
NR1D2	W15136A*	Hu, Ms	WB, ICC
NR4A2	10A4B48	Ms	WB
NR5A2	1D12B67	Hu	WB
Nuclear Pore Complex Proteins	MAb414*	Vertebrate, Xenopus, Yeast	WB, ICC
NUP153	QE5*	Eukaryote	WB, ICC
Nur77	1E10A15*	Hu	WB, ICC
PCNA	PC10*	Hu, Ms, Rat	WB, IHC-P, ICC, ICFC
TFEB	A17106A	Hu, Ms, Rat	WB

*Multiple conjugated formats available.

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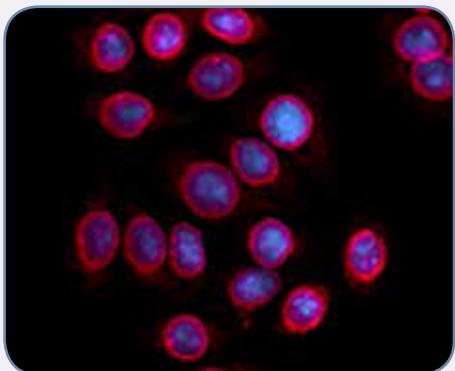


IHC staining of Alexa Fluor® 594 anti-MECP2 antibody (Clone N227/21, red) on FFPE mouse hippocampus tissue. Nuclei were counterstained with DAPI (blue).



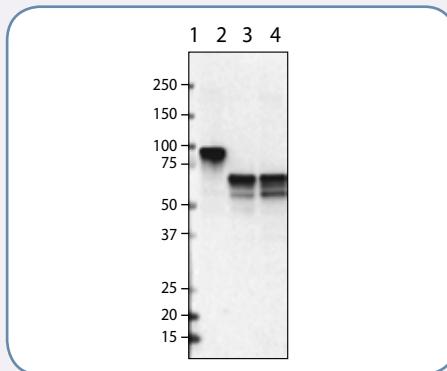
ICC staining of Alexa Fluor® 488 anti-Nuclear Pore Complex Proteins antibody (Clone Mab414, red) on HeLa cells. Nuclei were counterstained with DAPI (blue).

NUP153



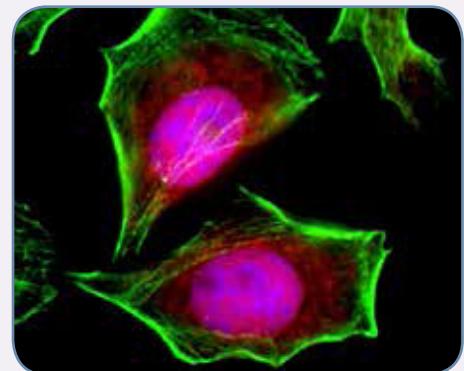
ICC staining of Alexa Fluor® 594 anti-NUP153 antibody (clone QE5, red) on HeLa cells. Nuclei were counterstained with DAPI (blue).

FBXO7



Western blot of purified anti-FBXO7 antibody (clone A16207A). Lane 1: Molecular weight marker; Lane 2: 3 ng of GST-tagged human recombinant FBXO7; Lane 3: 20 μ g of HeLa cell lysate; Lane 4: 20 μ g of SH-SY5Y cell lysate.

STAT3

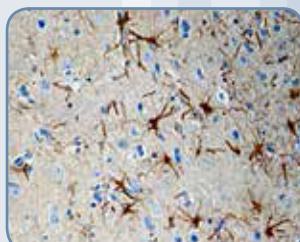


ICC staining of Alexa Fluor® 594 conjugated STAT3 antibody (clone 4G4B45, red) and Alexa Fluor® 488 Phalloidin (green) on HeLa cells. Nuclei were counterstained with DAPI (blue).

抗体サンプラーーキット

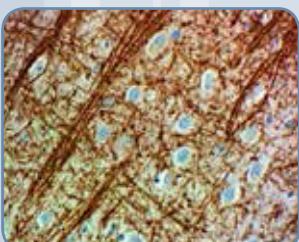
Description	Specificity	Clones	Reactivity	Application
Glia Cell Marker Antibody Sampler Kit	P2RY12, CX3CR1, GFAP, Myelin CNPase, Myelin Basic Protein	S16007D, 8E10.D9, SMI 24, SMI 91, P82H9	Hu, Ms, Rat	WB, IHC-P

CX3CR1



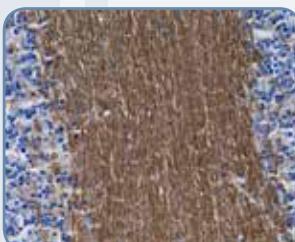
IHC staining of anti-CX3CR1 antibody (clone 8E10.D9) on FFPE normal human brain tissue. The section was counterstained with hematoxylin and bluing solution.

Myelin Basic Protein



IHC staining of purified anti-Myelin Basic Protein antibody (clone SMI 94) on FFPE normal human brain tissue. The section was counterstained with hematoxylin.

Myelin CNPase



IHC staining of purified anti-Myelin CNPase antibody (clone SMI 91) on FFPE rat brain tissue. The section was counterstained with hematoxylin.

磁気ビーズによる細胞分離システムMojoSort™

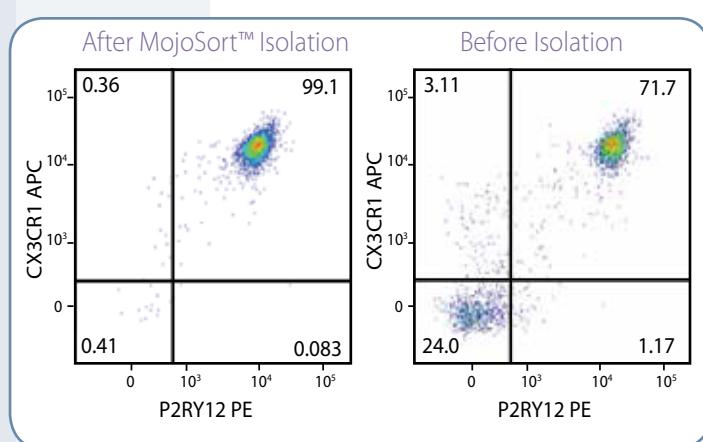
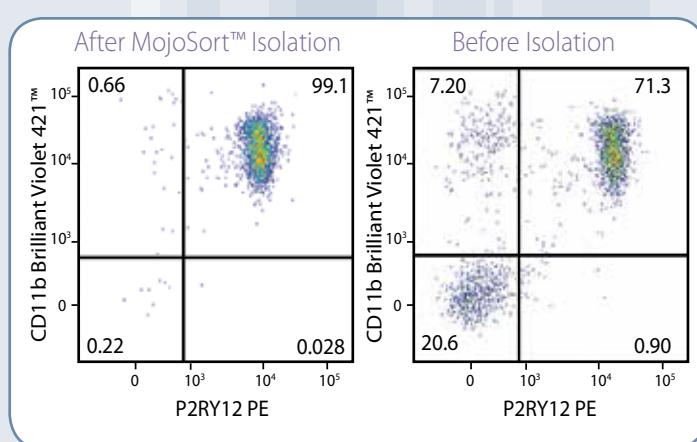
BioLegendの販売する、磁気による細胞分離システムMojoSort™は、ヘテロジニアスな細胞分画から、磁気ビーズを使用し、迅速かつ簡便に細胞を分取するシステムです。MojoSort™は、様々な磁気を利用した細胞分離プラットフォームでお使いいただくことが可能で、ポジティブセレクションとネガティブセレクションの両方に対応しています。
詳細は右記をご参照ください：biologend.com/mojosort

神経科学研究における抗体サンプラーーキット

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MojoSort™ 製品

Description	Reactivity
MojoSort™ Human CD45 Nanobeads	Hu
MojoSort™ Mouse CD45 Nanobeads	Ms
MojoSort™ Mouse CX3CR1 Selection Kit	Ms
MojoSort™ Mouse P2RY12 Selection Kit	Ms



MojoSort™ Mouse P2RY12 Selection Kit. A single cell suspension from adult C57BL/6 brain was prepared using Trypsin digestion and 70/37/30% percoll gradient for positive selection of P2RY12⁺ cells using the MojoSort™ Mouse P2RY12 Selection Kit. Cells were stained with either anti-mouse P2RY12 (clone S16007D) PE and anti-mouse CD11b (clone M1/70) Brilliant Violet 421™ or anti-mouse CX3CR1 (clone SA011F11) APC. Dead cells were excluded by 7-AAD.

関連試薬

Buffers	Antigen Retrieval Systems	HRP Detection Reagents
AEC Substrate Buffer	Retrieve-All Antigen Unmasking System 1: Universal, 1X	AEC Chromogen Concentrate
Antibody Diluent Buffer	Retrieve-All Antigen Unmasking System 1: Universal, 10X	Boost DAB Enhancer, 50X
Avidin/Biotin Blocking System	Retrieve-All Antigen Unmasking System 1: Universal, 100X	DAB Chromogen Concentrate
Capillary Action Buffer 1	Retrieve-All Antigen Unmasking System 2: Basic, 1X	Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species)
Capillary Action Buffer 2/3	Retrieve-All Antigen Unmasking System 2: Basic, 10X	Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species)
DAB Substrate Buffer	Retrieve-All Antigen Unmasking System 2: Basic, 100X	Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species, AEC)
DAB Substrate Buffer with Stabilizer	Retrieve-All Antigen Unmasking System 3: Acidic, 1X	Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species, AEC)
Normal Serum Block	Retrieve-All Antigen Unmasking System 3: Acidic, 10X	Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species, DAB)
PBS, 10X Concentrate	Retrieve-All Antigen Unmasking System 3: Acidic, 100X	Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species, DAB)
Peroxide Blocking Reagent		Ultra Streptavidin (USA) HRP Detection Kit (Murine)
Sodium Citrate H.I.E.R., 1X		Ultra Streptavidin (USA) HRP Detection Kit (Murine, DAB)
Tris-Buffered Saline 20X (1.0 M)		Ultra Streptavidin (USA) HRP Detection Kit (Rabbit, DAB)
Tris-Buffered Saline 20X (1.0 M) w/ Tween 20		

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International: 1.858.768.5801

email: tech@biolegend.com

Headquarters:

BioLegend

9727 Pacific Heights Blvd.

San Diego, CA 92121

USA

International Offices

Europe:

BioLegend

4B Highgate Business Centre

33 Greenwood Place

London NW5 1LB

United Kingdom

Tel: +44 (0) 20 3475 3880

Fax: +44 (0) 20 3318 3271

email Inquiries: infoeurope@biolegend.com

email Technical Support: techeurope@biolegend.com

Japan:

BioLegend Japan KK

Tel: 03-5615-8093

Tel: +81-3-3823-9071

Fax: +81-3-3823-9072

email: supportjp@biolegend.com

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トミーデジタルバイオロジー株式会社
〒112-0002 東京都文京区小石川1-1-17
日本生命春日駅前ビル 3階
email: info_ap@digital-biology.co.jp
phone: 03-6240-0843

