

Featured Research Tool Neuroscience

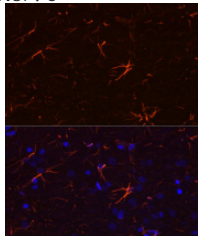
The hot research branches in neuroscience include neural development and cell differentiation of nervous system, cell function regulation of nervous system, neurotransmitter synthesis, secretion and metabolic regulation, regulation mechanism of vesicular transport, neuronal synaptic plasticity, nerve conduction and ion channel, immunity and inflammation of nervous system, neurotropy and cell protective mechanisms, molecular mechanisms of nervous system diseases and biomarkers, etc.

Top Seller

A19058

GFAP Rabbit mAb

Application : WB,IHC,IF/ICC Reactivity : H,M,R
Citations No. : 5

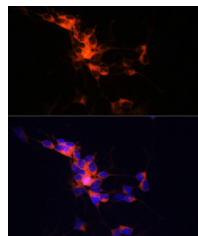


Rat brain

A17913

β III-Tubulin Rabbit mAb

Application : WB,IF/ICC,IP Reactivity : H,M,R
Citations No. : 4

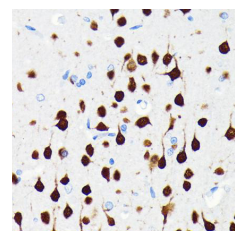


SH-SY5Y cells

A19086

NeuN Rabbit mAb

Application : WB,IHC,IF/ICC Reactivity : H,M,R
Citations No. : 1

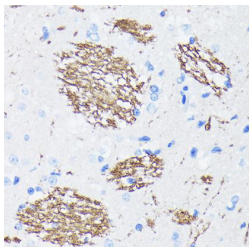


Rat brain

A17911

[KO Validated] APP Rabbit mAb

Application : WB,IHC,IF/ICC IP Reactivity : H,M,R
Citations No. : 3

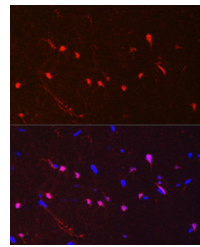


Rat brain

A19108

S100B Rabbit mAb

Application : WB,IHC,IF/ICC Reactivity : H,M,R
Citations No. : 1

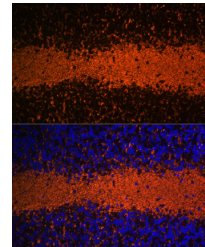


Mouse brain

A11162

Myelin Basic Protein Rabbit mAb

Application : WB,IF/ICC Reactivity : M,R
Citations No. : 1

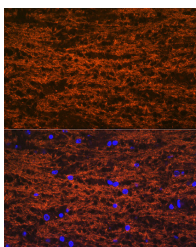


Rat brain

A3992

Myelin oligodendrocyte glycoprotein Rabbit mAb

Application : WB,IF/ICC Reactivity : H,M,R
Citations No. : 1

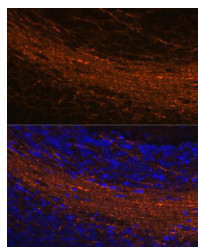


Mouse brain

A19033

CNPase Rabbit mAb

Application : WB,IHC,IF/ICC Reactivity : H,M,R
Citations No. : 1

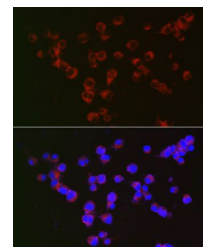


Rat brain

A22414

α -Synuclein Rabbit mAb

Application : WB,IF/ICC Reactivity : H,M,R



Neuro-2a cells

Featured Antibodies for Neuroscience

Neural lineage marker

Cell Type	Marker	Cat.No.	Product Name	Application	Reactivity
Neuroepithelial cell	Notch1	A19090	Notch1 Rabbit mAb	WB,IP	H,M
	E-Cadherin	A19083	[KO Validated] N-Cadherin Rabbit mAb	WB,IHC,IF/ICC	H,M,R
Radial glial cell	Vimentin	A19607	[KO Validated] Vimentin Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
	PAX6	A19099	PAX6 Rabbit mAb	WB,IHC	H,M,R
	N-Cadherin	A19083	[KO Validated] N-Cadherin Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	Beta III tubulin	A17913	β III-Tubulin Rabbit mAb	WB,IF/ICC,IP	H,M,R
	Stathmin 1	A4379	Stathmin 1 Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
Oligodendrocyte	CNPase	A19033	CNPase Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	MBP	A11162	Myelin Basic Protein Rabbit mAb	WB,IF/ICC	M,R
	MOG	A3992	Myelin oligodendrocyte glycoprotein Rabbit mAb	WB,IF/ICC	M,R
Schwann cell	SOX10	A8658	SOX10 Rabbit mAb	WB,IF/ICC,IP	M,R
	GAP43	A19055	GAP43 Rabbit mAb	WB,IF/ICC	H,M,R
	P75NTR	A19088	p75NTR/NGFR Rabbit mAb	WB,IHC	H,M,R
Astrocyte	GFAP	A19058	GFAP Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	S100 BETA	A19108	S100B Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	ALDH1L1	A7707	ALDH1L1 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
Microglia	AIF/ICC1/IBA1	A19776	AIF/ICC1/IBA1 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	CD68	A22329	CD68 Rabbit mAb	WB,IHC,FC	H,M,R
Mature neuron	NeuN	A19086	NeuN Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	Synaptophysin	A19122	Synaptophysin Rabbit mAb	WB,IF/ICC	M,R
	Neurofilament heavy	A19084	Neurofilament H Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
Glutamatergic neuron	NMDAR1	A11699	NMDAR1 Rabbit mAb	WB,IF/ICC	H,M,R
GABAergic neuron	GAD67	A1475	GAD67/GAD1 Rabbit mAb	WB	H,M,R
Dopamine neuron	FOXA2	A19053	HNF3 β /FOXA2 Rabbit mAb	WB,IF/ICC,IP	H,R
Serotonergic neuron	Serotonin transporter	A19110	Serotonin transporter Rabbit mAb	WB,IF/ICC	H,M,R
Cholinergic neuron	Choline acetyltransferase	A19031	CHAT Rabbit mAb	WB,IF/ICC	H

Neurodegeneration

Classification	Research Target	Cat.No.	Product Name	Application	Reactivity
Parkinson's Disease	ALDH1A1	A0157	ALDH1A1 Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
	GBA	A19057	Glucosylceramidase beta (GBA) Rabbit mAb	WB,IHC	H,R
	GluR2	A11316	GluR2/GRIA2 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	PON1	A3441	PON1 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	PP1B	A4364	PP1 beta Rabbit mAb	WB,IHC,IF/ICC	H,M,R

Parkinson's Disease	TFAM	A3173	TFAM Rabbit mAb	WB,IHC,IF,ChIP	H,M,R
	VCP	A1402	VCP Rabbit mAb	WB,IF/ICC	H,M,R
Alzheimer's Disease	APP	A17911	[KO Validated] APP Rabbit mAb	WB,IHC,IF,IP	H,M,R
	Caspase-9	A18676	[KO Validated] Caspase-9 Rabbit mAb	WB,IF/ICC	H,M,R
	CRMP2	A4411	[KO Validated] CRMP2/DPYSL2 Rabbit mAb	WB,IF/ICC	H,M,R
	HO-1	A19062	[KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb	WB,IHC	H,M,R
	Synuclein	A4899	alpha + beta Synuclein Rabbit mAb	WB,IF/ICC	H,M,R
	Caspase-3	A19664	Caspase-3 p12 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	Caspase-9	A11910	Caspase-9 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	FTH1	A19544	Ferritin Heavy Chain Rabbit mAb	WB,IHC	H,M,R
	FTL	A11241	Ferritin Light Chain Rabbit mAb	WB,IHC	H,M,R
	GSK3 β	A11731	GSK3 β Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	Ubiquitin	A3606	K48-linkage SpecIF/ICc Ubiquitin Rabbit mAb	WB,IF/ICC	H,M,R
	NEFH	A19084	Neurofilament H Rabbit mAb	WB,IHC,IF,IP	H,M,R
	NEFL	A20269	Neurofilament L Rabbit mAb	WB,IF/ICC	H,M,R
	NEFM	A19085	Neurofilament M Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
	PEN2	A8678	PEN2/PSENN Rabbit mAb	WB,IF/ICC	H,M,R
	Peroxiredoxin 3	A2398	Peroxiredoxin 3 (PRDX3) Rabbit mAb	WB,IHC,IF/ICC	H,M
	Tau	AP0053	Phospho-Tau-T231 Rabbit mAb	WB,IF/ICC	H,M,R
	SET	A9173	SET/TAF1 Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
	Stathmin 1	A4379	Stathmin 1 Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
	Synuclein	A22414	α -Synuclein Rabbit mAb	WB,IF/ICC	H,M,R
Huntington's Disease	p53	A19585	[KO Validated] p53 Rabbit mAb	WB,IP	H,R
	CtBP1	A11600	CtBP1 Rabbit mAb	WB,IP	H,M,R
	Huntingtin	A19064	Huntingtin Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	SP1	A19649	SP1 Rabbit mAb	WB,IHC,IF,ChIP	H,M,R
Amyotrophic lateral sclerosis (ALS)	C9orf72	A15970	C9orf72 Rabbit pAb	WB,IHC,IF/ICC	H,M,R
	GDNF	A14639	GDNF Rabbit pAb	WB,IF/ICC	H,M,R
	TDP43	A19123	TDP-43/TARDB Rabbit mAb	WB,IHC,IF/ICC	H,M,R
	KIF1B	A6638	KIF1B Rabbit pAb	WB	H,M,R

Neurogenesis

Research Target	Cat.No.	Product Name	Application	Reactivity
FGF2	A11488	[KO Validated] FGF2 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
Vimentin	A19607	[KO Validated] Vimentin Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
Beta Catenin	A19657	[KO Validated] β -Catenin Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
Syndecan-1/CD138	A4174	CD138/Syndecan-1 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
SOX9	A17910	α -Smooth Muscle Actin (ACTA2) Rabbit mAb	WB,IHC,IF/ICC	H,M,R

GAP43	A19055	GAP43 Rabbit mAb	WB,IF/ICC	H,M,R
GST3	A19061	GST3/GSTP1 Rabbit mAb	WB,IHC	H,M,R
MOG	A3992	Myelin oligodendrocyte glycoprotein Rabbit mAb	WB,IF/ICC	M,R
USP9x	A9782	USP9X Rabbit mAb	WB,IHC,IF/ICC	H,M,R
YY1	A19569	YY1 Rabbit mAb	WB,IF/ICC, IP,ChIP	H,M,R
ACTA2	A17910	α -Smooth Muscle Actin (ACTA2) Rabbit mAb	WB,IHC,IF/ICC	H,M,R

Neurotransmission

Research Target	Cat.No.	Product Name	Application	Reactivity
GRK2	A4443	[KO Validated] GRK2 Rabbit mAb	WB,IF/ICC	H,M,R
Clathrin heavy chain	A4943	Clathrin heavy chain Rabbit mAb	WB,IHC,IF/ICC,IP	H,M,R
CRALBP	A9265	CRALBP Rabbit mAb	WB,IHC,IF/ICC	H,M,R
SLC1A3/EAAT1	A9712	EAAT1/SLC1A3 Rabbit mAb	WB,IHC	H,M,R
Ephrin B2	A11349	Ephrin B2 Rabbit mAb	WB,IHC	H,M,R
GluR2	A11316	GluR2/GRIA2 Rabbit mAb	WB,IHC,IF/ICC	H,M,R
Parvalbumin	A19098	Parvalbumin (PVALB) Rabbit mAb	WB,IHC	H,M,R
Rab9	A4894	RAB9A Rabbit mAb	WB,IHC,IF/ICC	H,M,R
Serotonin transporter	A22413	Serotonin transporter Rabbit mAb	WB,IF/ICC	H,M,R
Syntaxin 3	A3712	Syntaxin 3 Rabbit mAb	WB,IHC	H,M,R
VAMP1	A3533	VAMP1 Rabbit mAb	WB,IHC,IF/ICC	H,M,R

ABclonal Citations (Partial)

- 1 S. Li et al., Single-Cell Immunoblotting based on a Photoclick Hydrogel Enables High-Throughput Screening and Accurate Profiling of Exogenous Gene Expression. *Adv Mater* 33, e2101108 (2021).
SOX2 Rabbit mAb (A19118) ALDH1A1 Rabbit mAb (A0157) School of Biological Engineering, Shanghai Jiao Tong University IF: 32.086
- 2 W. Wang et al., Spinal microglial activation promotes perioperative social defeat stress-induced prolonged postoperative pain in a sex-dependent manner. *Brain Behav Immun* 100, 88-104 (2022).
AIF1/IBA1 Rabbit mAb (A20844) School of Medical Sciences, Zhengzhou University IF: 19.227
- 3 M. Zhao et al., Mesenchymal Stem Cell-Derived Extracellular Vesicles Attenuate Mitochondrial Damage and Inflammation by Stabilizing Mitochondrial DNA. *ACS Nano* 15, 1519-1538 (2021).
[KO Validated] FGF2 Rabbit mAb (A11488) West China Hospital, Sichuan University IF: 18.027
- 4 Z. Zou et al., A Single-Cell Transcriptomic Atlas of Human Skin Aging. *Dev Cell* 56, 383-397 e388 (2021).
[KO Validated] Vimentin Rabbit mAb (A19607) Institute of Zoology, Academic Sinica (IZAS) IF: 13.417
- 5 X. Dong et al., Oriented nanofibrous P(MMD-co-LA)/Deferoxamine nerve scaffold facilitates peripheral nerve regeneration by regulating macrophage phenotype and revascularization. *Biomaterials* 280, 121288 (2022).
5100B Rabbit mAb (A19108) Wuhan University of Technology IF: 15.304
- 6 P. Tian et al., Multi-Probiotics ameliorate Major depressive disorder and accompanying gastrointestinal syndromes via serotonergic system regulation. *J Adv Res*, (2022).
BDNF Rabbit mAb (A4873) School of Food Science, Southern Yangtze University IF: 10.479
- 7 F. Li et al., Inflammatory-miR-301a circuitry drives mTOR and Stat3-dependent PSC activation in chronic pancreatitis and PanIN. *Mol Ther Nucleic Acids* 27, 970-982 (2022).
- 8 ***GFAP Rabbit mAb (A19058) Zhongshan City People Hospital IF: 10.183***
- X. Hu et al., Sustained ErbB Activation Causes Demyelination and Hypomyelination by Driving Necroptosis of Mature Oligodendrocytes and Apoptosis of Oligodendrocyte Precursor Cells. *J Neurosci* 41, 9872-9890 (2021).