

NMDAR1 Rabbit mAb

Catalog No: #49488

Package Size: #49488-1 50ul #49488-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

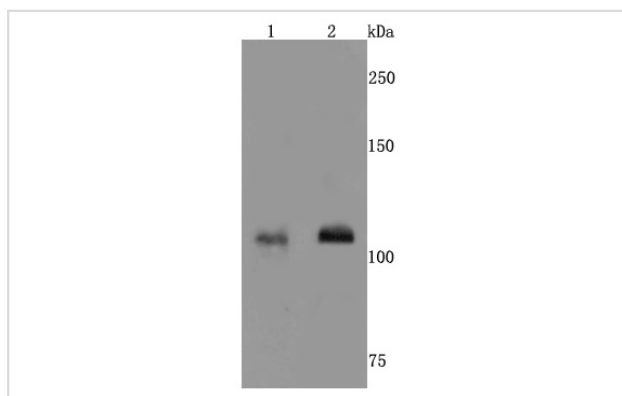
Description

Product Name	NMDAR1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM11-26
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	GluN1 antibody Glutamate [NMDA] receptor subunit zeta-1 antibody Glutamate receptor ionotropic N methyl D aspartate 1 antibody Glutamate receptor ionotropic, N-methyl-D aspartate, subunit 1 antibody glutamate receptor ionotropic, NMDA 1 antibody Grin1 antibody MRD8 antibody N methyl D aspartate receptor antibody N methyl D aspartate receptor channel subunit zeta 1 antibody N methyl D aspartate receptor subunit NR1 antibody N-methyl-D-aspartate receptor subunit NR1 antibody NMD-R1 antibody NMDA 1 antibody NMDA R1 antibody NMDA receptor 1 antibody NMDA1 antibody NMDAR antibody NMDZ1_HUMAN antibody NR1 antibody
Accession No.	Swiss-Prot#:Q05586
Uniprot	Q05586
GeneID	2902;
Calculated MW	105 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

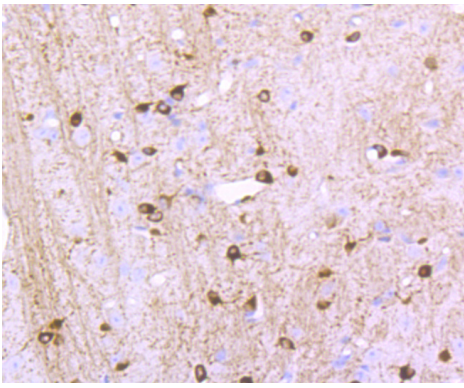
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

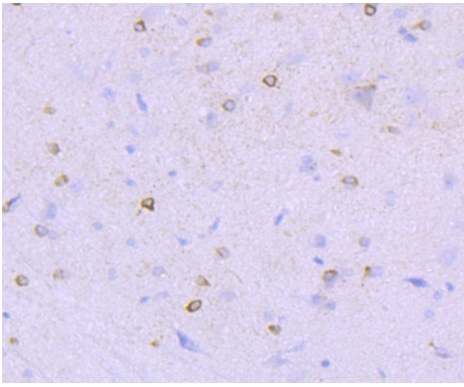
Images



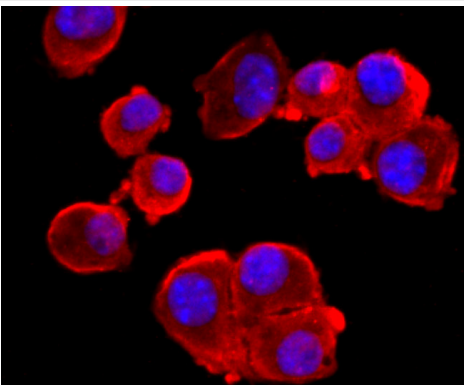
Western blot analysis of NMDAR1 on different cells lysates using anti-NMDAR1 antibody at 1/500 dilution. Positive control $\Omega\frac{1}{2}\Omega\frac{1}{2}$
Line 1: MCF-7
Line 2: A549



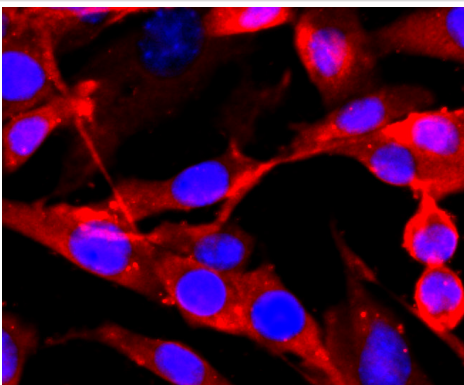
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NMDAR1 antibody. Counter stained with hematoxylin.



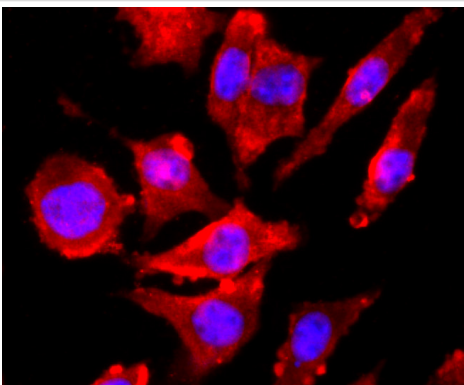
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-NMDAR1 antibody. Counter stained with hematoxylin.



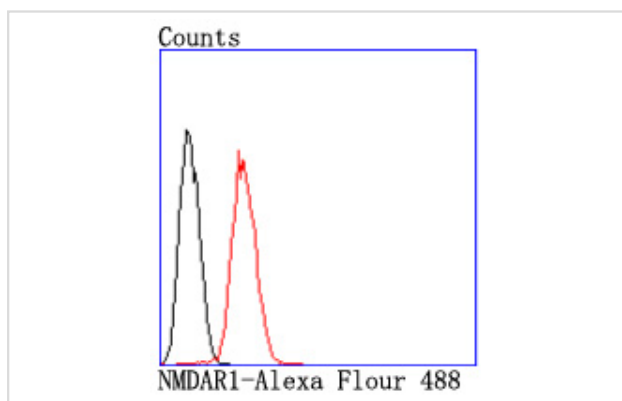
ICC staining NMDAR1 in N2A cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NMDAR1 in SHG-44 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NMDAR1 in SH-SY5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY5Y cells with NMDAR1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal functions in glutamate neurotransmission. Is involved in the cell surface targeting of NMDA receptors.

References

Note: This product is for in vitro research use only