Product Datasheet

# NMDAR1 Rabbit mAb

Catalog No: #49488

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

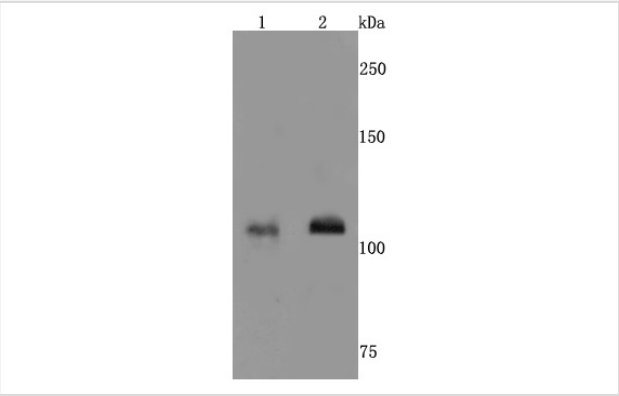
## Description

| | |
|---|---|
| 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 |

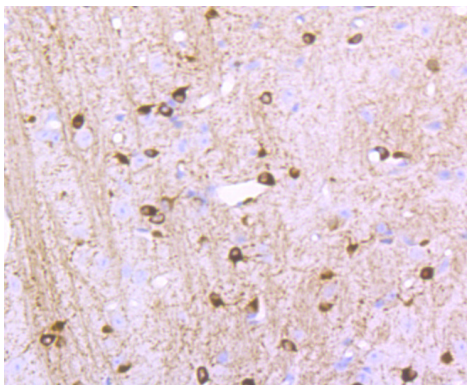
## Application Details

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

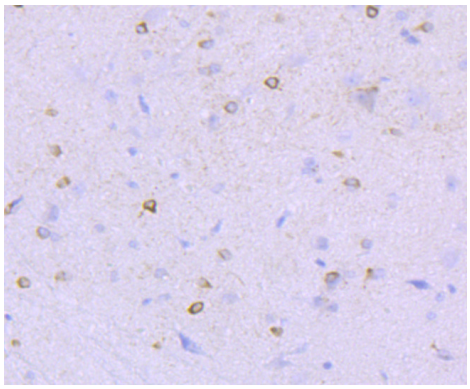
## Images



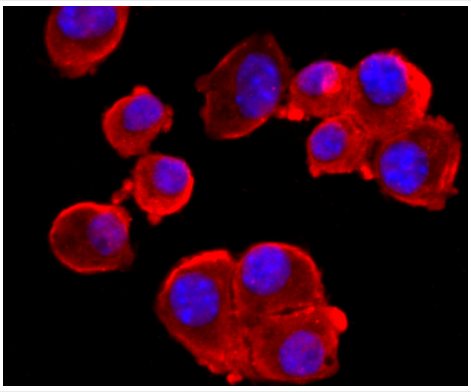

Western blot analysis of NMDAR1 on different cells lysates using anti-NMDAR1 antibody at 1/500 dilution. Positive controlοΩ½οΩ½
Line 1: MCF-7
Line 2: A549



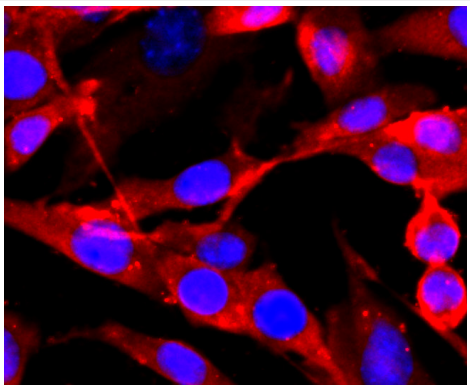
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NMDAR1 antibody. Counter stained with hematoxylin.



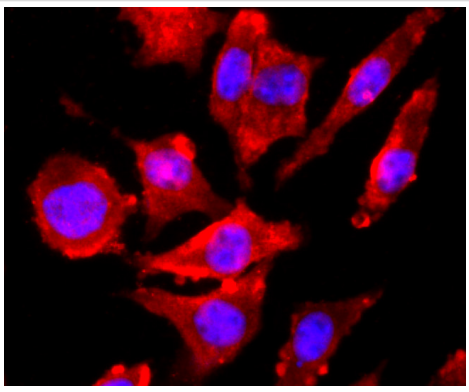
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-NMDAR1 antibody. Counter stained with hematoxylin.



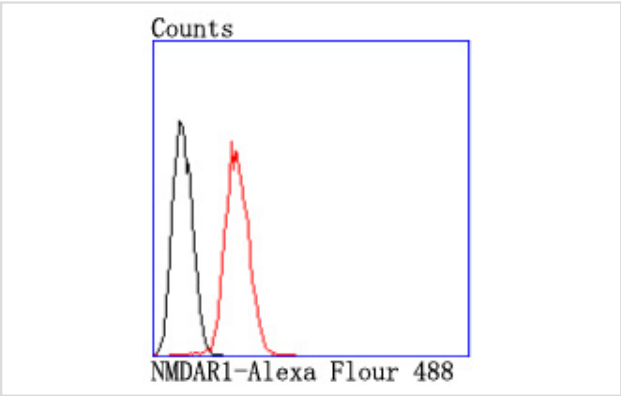
ICC staining NMDAR1 in N2A cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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