

Rabbit anti-Human NMDAR1 Monoclonal Antibody | anti-GRIN1 antibody

NMDAR1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282633	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

NMDAR1; Monoclonal Antibody; NMDAR1 Rabbit mAb; NR1; MRD8; GluN1; NMDA1; DEE101; NDHMSD; NDHMSR; NMD-R1; anti-GRIN1 antibody

PRODUCT SPECIFICATIONS

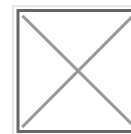
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	SRSNAPATLT FENMAGVFML VAGGIVAGIF LIFIEIAYKR HKDARRKQMQ LAFAAVNVWR KNLQDRKSGR AEPDPKKKAT FRAITSTLAS SFKRRRSSKD T
Applicable Applications for anti-GRIN1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 800-900 of human NMDAR1 (Q05586).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Rat brain tissue using NMDAR1 Rabbit mAb (AAA282633) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



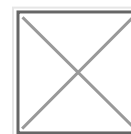
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Mouse brain tissue using NMDAR1 Rabbit mAb (AAA282633) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



ICC (Immunocytochemistry)

Confocal imaging of Mouse brain using NMDAR1 Rabbit mAb (AAA282633, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.



WB (Western Blot)

Western blot analysis of lysates from Mouse brain, using NMDAR1 Rabbit mAb (AAA282633) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIN1 antibody	The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described.
Product Categories/Family for anti-GRIN1 antibody	Protein phosphorylation; Neuroscience; Neurodegenerative Diseases; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease; Dopamine Signaling in Parkinson's Disease; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	11496971
NCBI GeneID	2902
NCBI Accession #	NP_000823.4
NCBI GenBank Nucleotide #	NM_000832.6
UniProt Accession #	Q05586; P35437; Q12867; Q12868; Q5VSF3; Q5VSF4; Q5VSF5; Q5VSF6; Q5VSF7; A6NLK7; A6NLR1; C9K0X1
Molecular Weight	Calculated MW: 105kDa Observed MW: 120kDa
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 1
UniProt Gene Name	GRIN1
UniProt Synonym Gene Names	NMDAR1; GluN1; NMD-R1
UniProt Entry Name	NMDZ1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/nmdar1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282633>