

Rabbit NMDAR1 Polyclonal Antibody | anti-GRIN1 antibody

Anti-NMDAR1 antibody

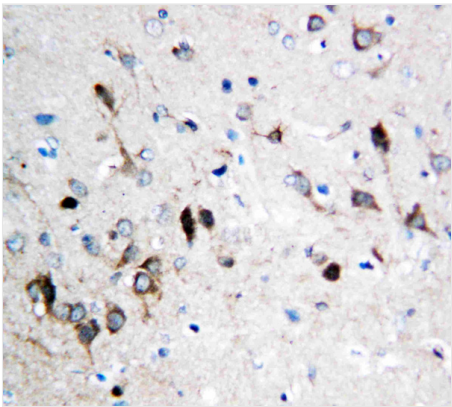
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44973	Rabbit	Reacts with: Human, rat Predicted to work with: Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

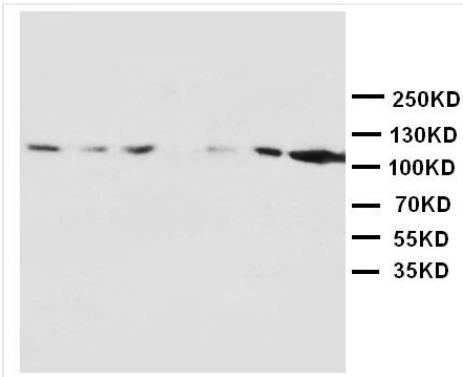
NMDAR1; Polyclonal Antibody; Anti-NMDAR1 antibody; Glutamate[NMDA] receptor subunit zeta-1; glutamate receptor; ionotropic; N-methyl D-aspartate 1; GluN1 antibody; Glutamate[NMDA] receptor subunit zeta 1 antibody; Glutamate[NMDA] receptor subunit zeta-1 antibody; Glutamate receptor ionotropic N methyl D aspartate 1 antibody; Grin 1 antibody; Grin1 antibody; MRD8 antibody; N methyl D aspartate receptor antibody; N methyl D aspartate receptor channel antibody; N methyl D aspartate receptor channel subunit zeta 1 antibody; N methyl D aspartate receptor subunit NR1 antibody; N-methyl-D-aspartate receptor antibody; N-methyl-D-aspartate receptor subunit NR1 antibody; NMD-R1 antibody; NMDA 1 antibody; NMDA NR1 antibody; NMDA R1 antibody; NMDA receptor 1 antibody; NMDA1 antibody; NMDAR 1 antibody; NMDAR antibody; Nmdar1 antibody; NMDZ1_HUMAN antibody; NR 1 antibody; NR1 antibody; anti-GRIN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Human, rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	938
Applicable Applications for anti-GRIN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human GRIN1 (36-53aa RKHEQMFREAVNQANKRH), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti-NMDAR1 antibody, AAA44973, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-NMDAR1 antibody, AAA44973, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Rat Brain Tissue LysateLane 3: Rat Liver Tissue LysateLane 4: Rat Heart Tissue LysateLane 5: MM453 Cell LysateLane 6: MM231 Cell LysateLane 7: HELA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GRIN1 antibody	Description: Rabbit IgG polyclonal antibody for Glutamate receptor ionotropic, NMDA 1(GRIN1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: The NMDA receptor(NMDAR) is a specific type of ionotropic glutamate receptor. NMDA(N-methyl D-aspartate) is the name of a selective agonist that binds to NMDA receptors but not to other glutamate receptors. Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. NMDAR1 gene is mapped to 9q34.3 and encodes a 938-amino acid protein which showed high evolutionary conservation in structure and physiologic properties. It consists of 21 exons distributed over about 31 kb. Three of the exons that are alternatively spliced in the rat and which produce 8 isoforms in that species were also present in the human sequence. The promoter region contained 2 DNA binding sites for the homeobox proteins 'even-skipped'. The gene is a candidate for the site of the mutation in torsion dystonia.The NMDA receptor is a non-specific cation channel and thus directly contributes to excitatory synaptic transmission by depolarizing the postsynaptic cell. NMDA receptors are modulated by a number of endogenous and exogenous compounds and play a key role in a wide range of physiologic and pathologic processes, such as excitotoxicity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	548377
NCBI GeneID	2902
UniProt Accession #	Q05586; P35437; Q12867; Q12868; Q5VSF3; Q5VSF4; Q5VSF5; Q5VSF6; Q5VSF7; A6NLK7; A6NLR1; C9K0X1
Molecular Weight	101,851 Da
NCBI Official Full Name	Glutamate receptor ionotropic, NMDA 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 1
NCBI Official Symbol	GRIN1
NCBI Official Synonym Symbols	NR1; MRD8; GluN1; NMDA1; NMDAR1
NCBI Protein Information	glutamate receptor ionotropic, NMDA 1; NMD-R1; glutamate [NMDA] receptor subunit zeta 1; glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; N-methyl-D-aspartate receptor channel, subunit zeta-1
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 1
UniProt Gene Name	GRIN1
UniProt Synonym Gene Names	NMDAR1; GluN1; NMD-R1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nmdar1-antibody-immunohistochemistry-western-blot-elisa/44973>