

Rabbit NMDAR1 Polyclonal Antibody | anti-NMDAR1 antibody

NMDAR1 (Phospho-Ser890) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305068	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry

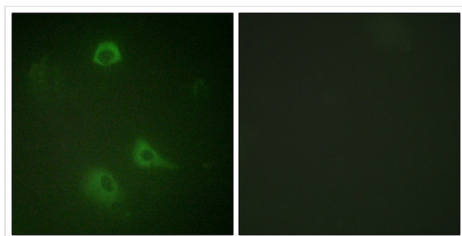
PRODUCT SYNONYMS

NMDAR1; Polyclonal Antibody; NMDAR1 (Phospho-Ser890) Antibody; GLURZ1; GRIN1; NMD-R1; NMDZ1; NMZ1; anti-NMDAR1 antibody

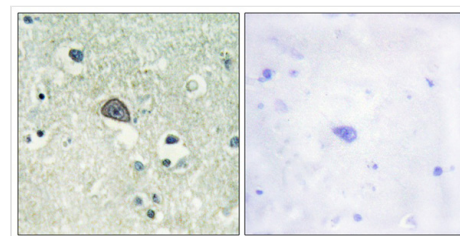
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of NMDAR1 only when phosphorylated at serine 890.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	885
Applicable Applications for anti-NMDAR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 890(A-S-S(p)-F-K) derived from Human NMDAR1.
Modification	Phospho-Ser890
Target Name	NMDAR1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES


IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed A549 cells using NMDAR1 (Phospho-Ser890) Antibody.


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human brain tissue using NMDAR1 (Phospho-Ser890) antibody (left) or the same antibody preincubated with blocking peptide (right).

ADDITIONAL INFORMATION

Related Product Information for anti-NMDAR1 antibody	NMDA receptors are members of the ionotropic class of glutamate receptors, which also includes Kainate and AMPA receptors. NMDA receptors consist of NR1 subunits combined with one or more NR2 (A-D) or NR3 (A-B) subunits. The ligand-gated channel is permeable to cations including Ca2+, and at resting membrane potentials NMDA receptors are inactive due to a voltage-dependent blockade of the channel pore by Mg2+. NMDA receptor activation, which requires binding of glutamate and glycine, leads to an influx of Ca2+ into the postsynaptic region where it activates several signaling cascades, including pathways leading to the induction of long-term potentiation (LTP) and depression (LTD). NMDA receptors have a critical role in excitatory synaptic transmission and plasticity in the CNS. They govern a range of physiological conditions including neurological disorders caused by excitotoxic neuronal injury, psychiatric disorders and neuropathic pain syndromes.
Product Categories/Family for anti-NMDAR1 antibody	Phospho-specific Ab

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	101,851 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 1 isoform GluN1-4a
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; NMD-R1; NMDAR1
NCBI Protein Information	glutamate receptor ionotropic, NMDA 1
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/polyclonal/nmdar1-antibody-immunofluorescence-immunohistochemistry-elisa/305068>