

Rabbit GRIN2B Polyclonal Antibody | anti-GRIN2B antibody

GRIN2B antibody (N-terminus)

CATALOG # AAA107948	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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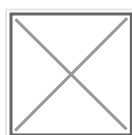
PRODUCT SYNONYMS

GRIN2B; Polyclonal Antibody; GRIN2B antibody (N-terminus); Polyclonal GRIN2B; Anti-GRIN2B; GRIN 2B; GRIN-2B; Glutamate Receptor Ionotropic N-Methyl D-Aspartate 2B; MGC142178; MGC142180; NMDAR2B; NR2B; hNR3; anti-GRIN2B antibody

PRODUCT SPECIFICATIONS

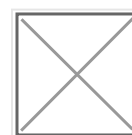
Host	Rabbit
Clonality	Polyclonal
Purity/Purification	GRIN2B antibody was purified by affinity chromatography
Form/Format	Supplied in liquid form in 10 mM HEPES buffer (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol
Sequence Length	1484
Applicable Applications for anti-GRIN2B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. In concert with DAPK1 at extrasynaptic sites, acts as a central mediator for stroke damage. Its phosphorylation at Ser-1303 by DAPK1 enhances synaptic NMDA receptor channel activity inducing injurious Ca ²⁺ influx through them, resulting in an irreversible neuronal death.

IMAGES



WB (Western Blot)

Western blot of 10 ug of rathippocampal lysate showing specific immunolabeling of ~180k NR2B subunit of the NMDA receptor



IF (Immunofluorescence)

Immunofluorescent staining of 14 DIV rat cortical neurons showing NR2B in green and PSD95 in red

ADDITIONAL INFORMATION

Related Product Information for anti-GRIN2B antibody	Rabbit polyclonal GRIN2B antibody (N-terminus)
Product Categories/Family for anti-GRIN2B antibody	Signal Transduction ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	167003331
NCBI GeneID	2904
NCBI Accession #	NP_000825.2

NCBI GenBank Nucleotide #	NM_000834.3
UniProt Accession #	Q13224; Q12919; Q13220; Q13225; Q14CU4; Q9UM56
Molecular Weight	166,367 Da
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2B
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 2B
NCBI Official Symbol	GRIN2B
NCBI Official Synonym Symbols	MRD6; NR2B; hNR3; EIEE27; GluN2B; NMDAR2B
NCBI Protein Information	glutamate receptor ionotropic, NMDA 2B
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 2B
UniProt Gene Name	GRIN2B
UniProt Synonym Gene Names	NMDAR2B; GluN2B; NMDAR2B; NR2B; NR3; hNR3
UniProt Entry Name	NMDE2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grin2b-antibody-immunohistochemistry-western-blot-elisa/107948>