

Rabbit Glutamate 1 Monoclonal Antibody | anti-GRIA1 antibody

Glutamate Receptor 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312317	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

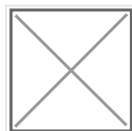
PRODUCT SYNONYMS

Glutamate 1; Monoclonal Antibody; Glutamate Receptor 1 Antibody; GLUR 1 antibody; GLUR A antibody; AMPA 1 antibody; AMPA selective glutamate receptor 1 antibody; AMPA-selective glutamate receptor 1 antibody; GluA1 antibody; GLUH1 antibody; GluR K1 antibody; GluR-1 antibody; GluR-A antibody; GluR-K1 antibody; GLUR1 antibody; GLURA antibody; GluRK1 antibody; Glutamate receptor 1 antibody; Glutamate receptor ionotropic AMPA 1 antibody; Glutamate receptor ionotropic antibody; Glutamate receptor; ionotropic; Gria1 antibody; GRIA1_HUMAN antibody; HBGR1 antibody; MGC133252 antibody; OTTHUMP00000160643 antibody; OTTHUMP00000165781 antibody; OTTHUMP00000224241 antibody; OTTHUMP00000224242 antibody; OTTHUMP00000224243 antibody; anti-GRIA1 antibody

PRODUCT SPECIFICATIONS

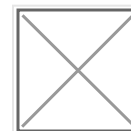
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SD2010
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-GRIA1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



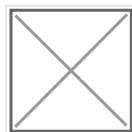
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-GluR1 antibody. Counter stained with hematoxylin.



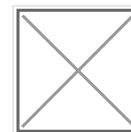
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GluR1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-GluR1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GluR1 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of GluR1 on rat brain lysates using anti-GluR1 antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIA1 antibody	Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamate-gated, cation-specific ion channels. Kainate/AMPA receptors are co-localized with NMDA receptors in many synapses and consist of seven structurally related subunits designated GluR-1 to -7. The kainate/AMPA receptors are primarily responsible for the fast excitatory neuro-transmission by glutamate whereas the NMDA receptors are functionally characterized by a slow kinetic and a high permeability for Ca ²⁺ ions. The NMDA receptors consist of five subunits: epsilon 1, 2, 3, 4 and one zeta subunit. The zeta subunit is expressed throughout the brainstem whereas the four epsilon subunits display limited distribution.
Product Categories/Family for anti-GRIA1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	167001419
NCBI GeneID	2890
NCBI Accession #	NP_000818.2
NCBI GenBank Nucleotide #	NM_000827.3
UniProt Accession #	P42261; Q2NKM6; B7Z2S0; B7Z3F6; D3DQI4
Molecular Weight	101,506 Da
NCBI Official Full Name	glutamate receptor 1 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 1
NCBI Official Symbol	GRIA1
NCBI Official Synonym Symbols	GLUH1; GLUR1; GLURA; GluA1; HBGR1
NCBI Protein Information	glutamate receptor 1; AMPA 1; gluR-1; gluR-A; gluR-K1; AMPA-selective glutamate receptor 1
UniProt Protein Name	Glutamate receptor 1
UniProt Gene Name	GRIA1
UniProt Synonym Gene Names	GLUH1; GLUR1; GluR-1; GluA1
UniProt Entry Name	GRIA1_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/monoclonal/glutamate-1-antibody-clone-sd2010-immunoprecipitation-immunohistochemistry-western-blot-elisa/312317>