

Rabbit Glutamate receptor 2 Polyclonal Antibody | anti-GRIA2 antibody

Anti-GRIA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46030	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

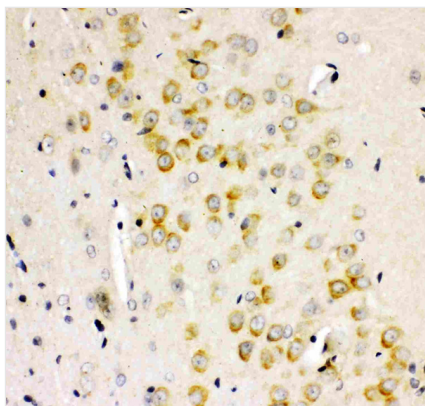
PRODUCT SYNONYMS

Glutamate receptor 2; Polyclonal Antibody; Anti-GRIA2 Antibody; AMPA 2 antibody; AMPA selective glutamate receptor 2 antibody; AMPA-selective glutamate receptor 2 antibody; AMPA2 antibody; GluA2 antibody; GLUR 2 antibody; GLUR B antibody; GluR K2 antibody; GluR-2 antibody; GluR-B antibody; GluR-K2 antibody; GLUR2 antibody; GLURB antibody; Glutamate receptor 2 antibody; Glutamate receptor ionotropic AMPA 2 antibody; Glutamate receptor ionotropic antibody; Gria2 antibody; GRIA2_HUMAN antibody; HBGR2 antibody; glutamate receptor; ionotropic; AMPA 2; anti-GRIA2 antibody

PRODUCT SPECIFICATIONS

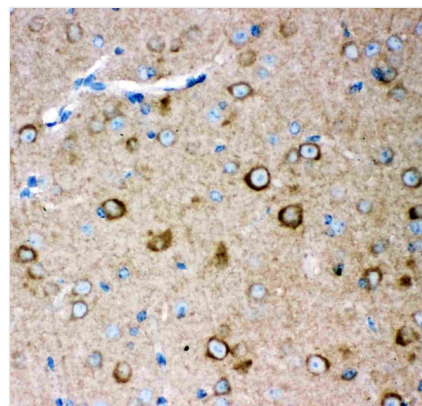
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	883
Applicable Applications for anti-GRIA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human GRIA2 recombinant protein (Position: N25-I360). Human GRIA2 shares 99% amino acid (aa) sequence identity with both mouse and rat GRIA2.
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.

IMAGES



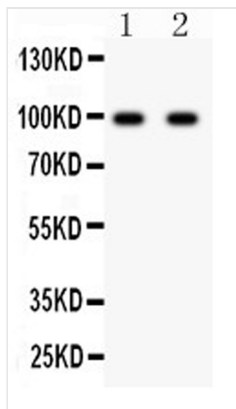
IHC (Immunohistochemisry)

Anti- GRIA2 antibody, AAA46030, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohiostchemistry)

Anti- GRIA2 antibody, AAA46030, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)

Anti- GRIA2 antibody, AAA46030, Western blottingAll lanes: Anti GRIA2 (AAA46030) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 99KDObserved bind size: 99KD

ADDITIONAL INFORMATION

Related Product Information for anti-GRIA2 antibody	Description: Rabbit IgG polyclonal antibody for Glutamate receptor 2(GRIA2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Glutamate receptor 2, also known as GLUR2, is a protein that in humans is encoded by the GRIA2 gene. This gene product belongs to a family of glutamate receptors that are sensitive to alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA), and function as ligand-activated cation channels. GLUR2's cytogenetic location is 4q32.1. The crystal structures of the GLUR2 ligand-binding core in the apo state and in the presence of the antagonist DNQX, the partial agonist kainate, and the full agonists AMPA and glutamate.GLUR2 plays a major role in depression at synapses in which glutamate remains in the synaptic cleft for prolonged periods of time during normal operation of the synapse. The overexpression of GLUR2 increases dendritic spine size and density in hippocampal neurons, and more remarkably, induces spine formation in GABA-releasing interneurons that normally lack spines.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74275354
NCBI GeneID	2891
NCBI Accession #	NP_000817.2
NCBI GenBank Nucleotide #	NM_000826.3
UniProt Accession #	P42262; Q96FP6; A8MT92; I6L997
Molecular Weight	93,775 Da
NCBI Official Full Name	glutamate receptor 2 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 2
NCBI Official Symbol	GRIA2
NCBI Official Synonym Symbols	GLUR2; GLURB; GluA2; HBGR2; GluR-K2
NCBI Protein Information	glutamate receptor 2; gluR-2; gluR-B; AMPA-selective glutamate receptor 2
UniProt Protein Name	Glutamate receptor 2
UniProt Gene Name	GRIA2
UniProt Synonym Gene Names	GLUR2; GluR-2; GluA2
UniProt Entry Name	GRIA2_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/glutamate-receptor-2-antibody-immunohistochemistry-western-blot-elisa/46030>