

Rabbit GRIA4 Polyclonal Antibody | anti-GRIA4 antibody

GRIA4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327364	Rabbit	Human, Mouse, Rat, Monkey	ELISA, Immunohistochemistry, Immunofluorescence, Western Blot

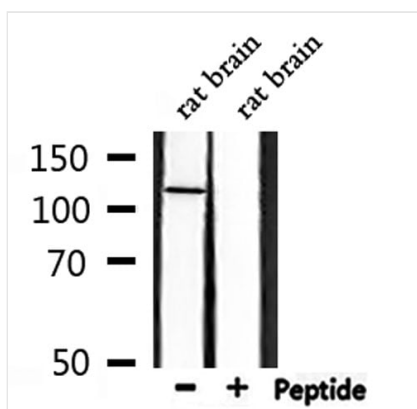
PRODUCT SYNONYMS

GRIA4; Polyclonal Antibody; GRIA4 Antibody; AMPA 4; AMPA selective glutamate receptor 4; AMPA-selective glutamate receptor 4; AMPA4; GluA 4; GluA4; GluR 4; GluR D; GluR-4; GluR-D; GluR4; GLUR4C; GLURD; Glutamate receptor 4; Glutamate receptor ionotropic AMPA 4; Glutamate receptor ionotropic; GRIA 4; Gria4; GRIA4_HUMAN; anti-GRIA4 antibody

PRODUCT SPECIFICATIONS

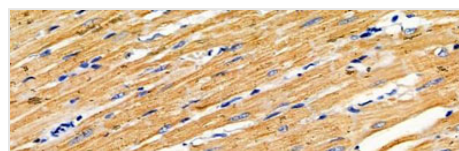
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	GRIA4 antibody detects endogenous levels of total GRIA4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	902
Applicable Applications for anti-GRIA4 antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GRIA4, corresponding to a region within the internal amino acids
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



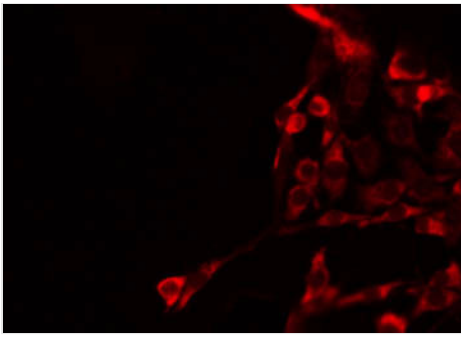
WB (Western Blot)

Western blot analysis of extracts from rat brain, using GRIA4 Ab.



IHC (Immunohistochemistry)

AAA327364 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



IF (Immunofluorescence)

AAA327364 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIA4 antibody	Function: Receptor for glutamate that functions as ligand-gated ion channel in the central nervous system and plays an important role in excitatory synaptic transmission. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	164419734
NCBI GeneID	2893
NCBI Accession #	NP_000820.3
NCBI GenBank Nucleotide #	NM_000829.3
UniProt Accession #	P48058; Q86XE8
Molecular Weight	120 kDa
NCBI Official Full Name	glutamate receptor 4 isoform 1
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 4
NCBI Official Symbol	GRIA4
NCBI Official Synonym Symbols	GLUR4; GLURD; GluA4; GLUR4C; NEDSGA
NCBI Protein Information	glutamate receptor 4
UniProt Protein Name	Glutamate receptor 4
UniProt Gene Name	GRIA4
UniProt Synonym Gene Names	GluR-4; GluR4; GluA4

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/gria4-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/327364>