

Rabbit GRIA4 Polyclonal Antibody | anti-GRIA4 antibody

GRIA4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288965	Rabbit	Human, mouse (Predicted Reactivity: Monkey, Rat)	Immunohistochemistry, ELISA, Western Blot

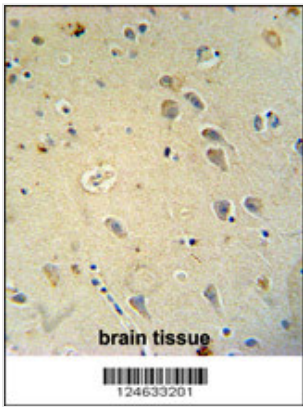
PRODUCT SYNONYMS

GRIA4; Polyclonal Antibody; GRIA4 Antibody (Center); Glutamate receptor 4; GluR-4; GluR4; AMPA-selective glutamate receptor 4; GluR-D; Glutamate receptor ionotropic; AMPA 4; GluA4; GLUR4; anti-GRIA4 antibody

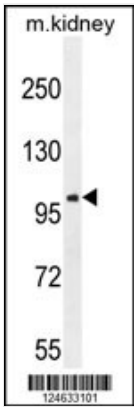
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRIA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-287 amino acids from the Central region of human GRIA4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	259-287
Sequence Length	433
Applicable Applications for anti-GRIA4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
GRIA4 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GRIA4 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GRIA4 Antibody (Center) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the GRIA4 antibody detected the GRIA4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GRIA4 antibody	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia. [provided by RefSeq].
Product Categories/Family for anti-GRIA4 antibody	Neuroscience; Signal Transduction
References	Need, A.C., et al. Eur. J. Hum. Genet. 17(7):946-957(2009) Volpi, S., et al. J Clin Psychiatry 70(6):801-809(2009) Kessels, H.W., et al. Neuron 61(3):340-350(2009) Arai, S., et al. Psychiatr. Genet. 19(1):6-13(2009) Aruscavage, P.J., et al. RNA 6(2):257-269(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	164419734
NCBI GeneID	2893
NCBI Accession #	NP_000820.3 ; NP_001070711.2 ; NP_001070712.1 ; NP_001106283.1
NCBI GenBank Nucleotide #	NM_000829.3
UniProt Accession #	P48058 ; Q86XE8
Molecular Weight	100871
NCBI Official Full Name	glutamate receptor 4 isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, AMPA 4

NCBI Official Symbol	GRIA4
NCBI Official Synonym Symbols	GLUR4; GLURD; GluA4; GLUR4C
NCBI Protein Information	glutamate receptor 4
UniProt Protein Name	Glutamate receptor 4
UniProt Gene Name	GRIA4
UniProt Synonym Gene Names	GLUR4; GluR-4; GluR4; GluA4
UniProt Entry Name	GRIA4_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://www.aaabiotech.com/polyclonal/gria4-antibody-immunohistochemistry-western-blot-elisa/288965>