

Gria1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11298**Specification**

Gria1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P23818
Other Accession	NM_001113325 , NP_001106796
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rabbit, Zebrafish, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 99kDa KDa

Gria1 antibody - N-terminal region - Additional Information**Gene ID** 14799

Alias Symbol	2900051M01Rik, AI853806, Glr-1, Glr1, GluR-A, GluRA, Glur-1, Glur1, HIPA1, GluA1, gluR-K1
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Other Names

Glutamate receptor 1, GluR-1, AMPA-selective glutamate receptor 1, GluR-A, GluR-K1, Glutamate receptor ionotropic, AMPA 1, GluA1, Gria1, Glur1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Gria1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Gria1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Gria1 antibody - N-terminal region - Protein Information**Name** Gria1**Synonyms** Glur1**Function**

Ionotropic glutamate receptor. 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.

Cellular Location

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P19490}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P19490}. Postsynaptic cell membrane; Multi-pass membrane protein. Postsynaptic density membrane; Multi-pass membrane protein. Cell projection, dendrite Cell projection, dendritic spine. Early endosome membrane {ECO:0000250|UniProtKB:P19490}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P19490}. Recycling endosome membrane {ECO:0000250|UniProtKB:P19490}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P19490}. Presynapse. Synapse Note=Interaction with CACNG2, CNIH2 and CNIH3 promotes cell surface expression. Colocalizes with PDLIM4 in early endosomes. Displays a somatodendritic localization and is excluded from axons in neurons (PubMed:18341993). Localized to cone photoreceptor pedicles (PubMed:28334377). {ECO:0000250|UniProtKB:P19490, ECO:0000269|PubMed:18341993, ECO:0000269|PubMed:28334377}

Tissue Location

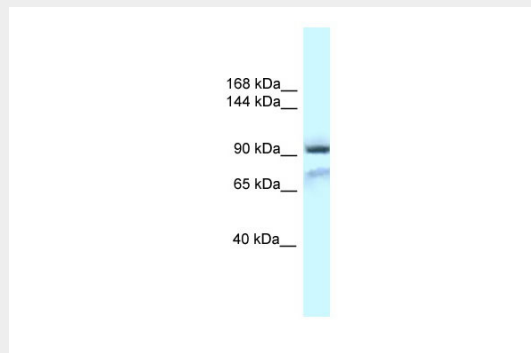
Expressed in the outer plexiform layer of the retina of the eye (at protein level) (PubMed:28334377). Expressed in the forebrain and hippocampus (at protein level) (PubMed:31651360)

Gria1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Gria1 antibody - N-terminal region - Images



WB Suggested Anti-Gria1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas