

Anti-GRIA1 / GLUR1 Antibody (aa816-865)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17948**Specification**

Anti-GRIA1 / GLUR1 Antibody (aa816-865) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P42261
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	101506

Anti-GRIA1 / GLUR1 Antibody (aa816-865) - Additional Information**Gene ID** 2890**Alias Symbol** **GRIA1****Other Names**

GRIA1, AMPA 1, GluR-K1, HBGR1, GLUH1, GLUR1, GLURA, Glutamate receptor 1, GluR-A, GluA1, GluR-1

Target/Specificity

GluR1 Antibody detects endogenous levels of total GluR1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-GRIA1 / GLUR1 Antibody (aa816-865) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-GRIA1 / GLUR1 Antibody (aa816-865) - Protein Information**Name** GRIA1 ([HGNC:4571](#))**Synonyms** GLUH1, 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 {ECO:0000250|UniProtKB:P23818}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23818}. Cell projection, dendrite {ECO:0000250|UniProtKB:P23818}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:P23818}. 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 {ECO:0000250|UniProtKB:P23818}. Synapse {ECO:0000250|UniProtKB:P23818} 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 (By similarity). Localized to cone photoreceptor pedicles (By similarity) {ECO:0000250|UniProtKB:P19490, ECO:0000250|UniProtKB:P23818}

Tissue Location

Widely expressed in brain.

Anti-GRIA1 / GLUR1 Antibody (aa816-865) - 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](#)

Anti-GRIA1 / GLUR1 Antibody (aa816-865) - Images