

GRIK5 / KA2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12402**Specification**

GRIK5 / KA2 Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	Q16478
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

GRIK5 / KA2 Antibody (C-Terminus) - Additional Information**Gene ID** 2901**Other Names**

Glutamate receptor ionotropic, kainate 5, GluK5, Excitatory amino acid receptor 2, EAA2, Glutamate receptor KA-2, KA2, GRIK5, GRIK2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

GRIK5 / KA2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GRIK5 / KA2 Antibody (C-Terminus) - Protein Information**Name** GRIK5**Synonyms** GRIK2**Function**

Ionotropic glutamate receptor that functions as a cation- permeable ligand-gated ion channel, gated by L-glutamate and the glutamatergic agonist kainic acid. Cannot form functional channels on its own and produces channel activity only in heteromeric assembly with GRIK1 and GRIK2 subunits (PubMed:<[a href="http://www.uniprot.org/citations/1321949" target="_blank">http://www.uniprot.org/citations/1321949](http://www.uniprot.org/citations/1321949)>1321949, PubMed:<[a href="http://www.uniprot.org/citations/14511640" target="_blank">http://www.uniprot.org/citations/14511640](http://www.uniprot.org/citations/14511640)>14511640, PubMed:<[a href="http://www.uniprot.org/citations/8730589" target="_blank">http://www.uniprot.org/citations/8730589](http://www.uniprot.org/citations/8730589)>8730589). Can form functional heteromeric receptors with GRIK3 (By similarity).

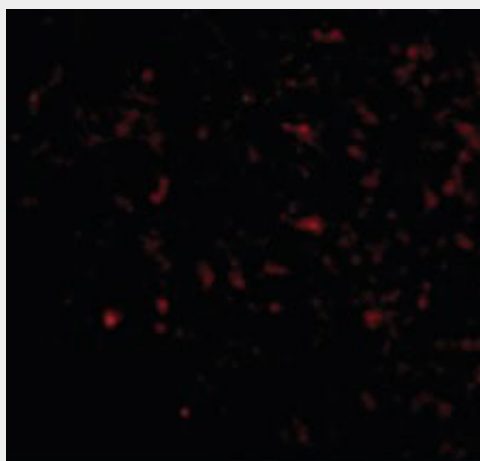
Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q61626}; Multi-pass membrane protein. Presynaptic cell membrane {ECO:0000250|UniProtKB:Q61626}; Multi-pass membrane protein. Note=Association with GRIK2 is required for its cell membrane localization and channel activity

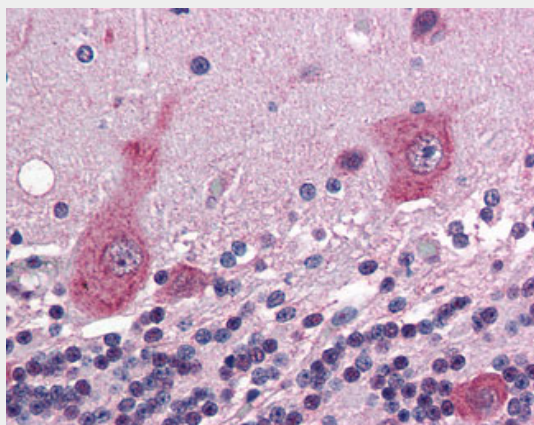
GRIK5 / KA2 Antibody (C-Terminus) - Protocols

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](#)

GRIK5 / KA2 Antibody (C-Terminus) - Images

Immunofluorescence of Grik5 in Human Brain cells with Grik5 antibody at 20 ug/ml.



Anti-GRIK5 antibody IHC of human brain, cerebellum.

GRIK5 / KA2 Antibody (C-Terminus) - Background

Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists. This receptor binds kainate > quisqualate > domoate > L- glutamate >> AMPA >> NMDA = 1S,3R-ACPD.

GRIK5 / KA2 Antibody (C-Terminus) - References

Kamboj R.K.,et al.Mol. Pharmacol. 42:10-15(1992).
Langer A.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.