

GRIK1 / GLUR5 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS12393**Specification**

GRIK1 / GLUR5 Antibody (Internal) - Product Information

Application	IF, IHC
Primary Accession	P39086
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104kDa KDa

GRIK1 / GLUR5 Antibody (Internal) - Additional Information**Gene ID** 2897**Other Names**

Glutamate receptor ionotropic, kainate 1, GluK1, Excitatory amino acid receptor 3, EAA3, Glutamate receptor 5, GluR-5, GluR5, GRIK1, GLUR5

Reconstitution & Storage

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

Precautions

GRIK1 / GLUR5 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

GRIK1 / GLUR5 Antibody (Internal) - Protein Information**Name** GRIK1**Synonyms** GLUR5**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. May be involved in the transmission of light information from the retina to the hypothalamus.

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein

Tissue Location

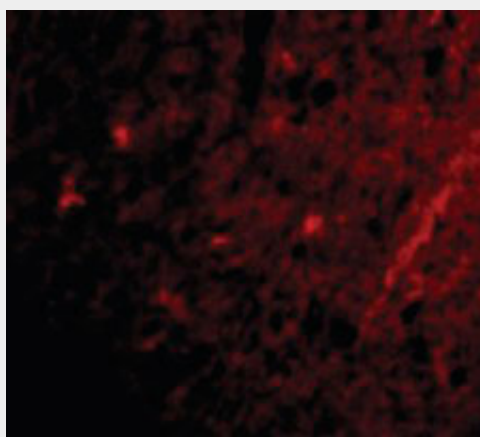
Most abundant in the cerebellum and the suprachiasmatic nuclei (SCN) of the hypothalamus

GRIK1 / GLUR5 Antibody (Internal) - Protocols

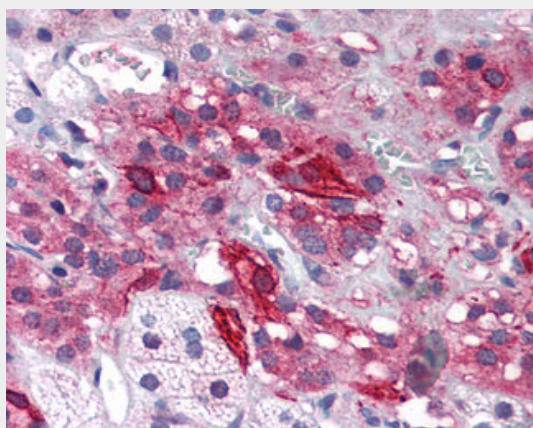
Provided below are standard protocols that you may find useful for product applications.

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

GRIK1 / GLUR5 Antibody (Internal) - Images



Immunofluorescence of Grik1 in Human Brain cells with Grik1 antibody at 20 ug/ml.



Anti-GRIK1 antibody IHC of human adrenal.

GRIK1 / GLUR5 Antibody (Internal) - Background

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. May be involved in the transmission of light information from the retina to the hypothalamus.

GRIK1 / GLUR5 Antibody (Internal) - References

Gregor P.,et al.NeuroReport 4:1343-1346(1993).
Korczak B.,et al.Recept. Channels 3:41-49(1995).
Langer A.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Nutt S.L.,et al.NeuroReport 5:2625-2629(1994).
Shibata H.,et al.Psychiatr. Genet. 11:139-144(2001).