10320 Camino Santa Fe, Suite G
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GRIK1 / GLUR5 Antibody (C-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS12392

Specification

GRIK1 / GLUR5 Antibody (C-Terminus) - Product Information

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

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

GRIK1 / GLUR5 Antibody (C-Terminus) - 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

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GRIK1 / GLUR5 Antibody (C-Terminus) - Protocols

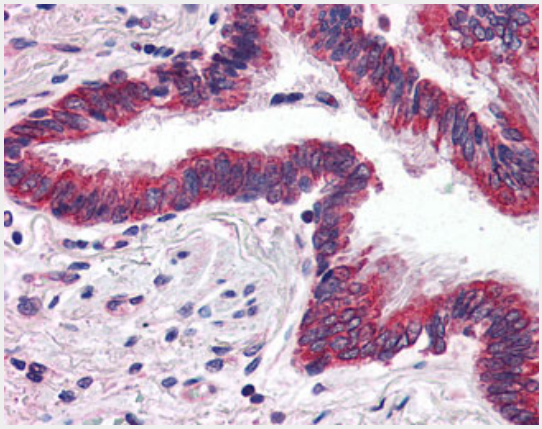
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRIK1 / GLUR5 Antibody (C-Terminus) - Images



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



Anti-GRIK1 antibody IHC of human lung.

GRIK1 / GLUR5 Antibody (C-Terminus) - 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 (C-Terminus) - References

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Nutt S.L.,et al.NeuroReport 5:2625-2629(1994).
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