

Goat Anti-GLuR5 / GRIK1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1483a**Specification**

Goat Anti-GLuR5 / GRIK1 Antibody - Product Information

Application	WB
Primary Accession	P39086
Other Accession	NP_783300 , 2897 , 14805 (mouse) , 29559 (rat)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	103981

Goat Anti-GLuR5 / GRIK1 Antibody - 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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-GLuR5 / GRIK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-GLuR5 / GRIK1 Antibody - 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

Goat Anti-GLuR5 / GRIK1 Antibody - 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](#)

Goat Anti-GLuR5 / GRIK1 Antibody - Images

AF1483a (1 µg/ml) staining of Human Brain (Cerebellum) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GLuR5 / GRIK1 Antibody - Background

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene.

Goat Anti-GLuR5 / GRIK1 Antibody - References

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