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GRIK5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17247a

Specification

GRIK5 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q16478
Other Accession	Q63273, Q61626, NP_002079.3
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**109265**
Antigen Region	**101-129**

GRIK5 Antibody (N-term) - 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

Target/Specificity
This GRIK5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 101-129 amino acids from the N-terminal region of human GRIK5.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
GRIK5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GRIK5 Antibody (N-term) - Protein Information

Name GRIK5

Synonyms GRIK2

Function 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.

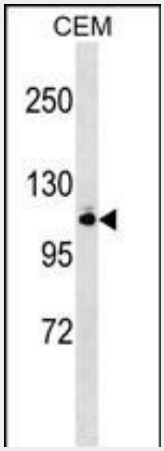
Cellular Location
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein

GRIK5 Antibody (N-term) - 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

GRIK5 Antibody (N-term) - Images



GRIK5 Antibody (N-term) (Cat. #AP17247a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the GRIK5 antibody detected the GRIK5 protein (arrow).

GRIK5 Antibody (N-term) - Background

This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. [provided by RefSeq].

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Fotheringham, J., et al. J Neuroimmune Pharmacol 3(2):105-116(2008)
Shibata, H., et al. Psychiatry Res 141(1):39-51(2006)