

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

E~~Use at an assay dependent concentration.

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 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:[1321949](#), PubMed:[14511640](#), PubMed:[8730589](#)). Can form functional heteromeric receptors with GRIK3 (By similarity).

Cellular Location

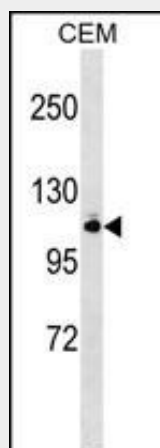
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q61626}; Multi-pass membrane protein. Presynaptic cell membrane {ECO:0000250|UniProtKB:Q61626}; Multi-pass membrane protein. Note=Association with GRIK2 is required for its cell membrane localization and channel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

GRIK5 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 Cytometry](#)
- [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].

GRIK5 Antibody (N-term) - References

Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :
Gill, M.B., et al. J. Biol. Chem. 284(21):14503-14512(2009)
Arai, S., et al. Psychiatr. Genet. 19(1):6-13(2009)
Fotheringham, J., et al. J Neuroimmune Pharmacol 3(2):105-116(2008)
Shibata, H., et al. Psychiatry Res 141(1):39-51(2006)