10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRIK5 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17247a

Specification

GRIK5 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q16478

GRIK5 Antibody (N-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GRIK5 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

GRIK5 Antibody (N-term) Blocking Peptide - Images

GRIK5 Antibody (N-term) Blocking Peptide - Background

This gene encodes a protein that belongs to theglutamate-gated ionic channel family. Glutamate functions as themajor excitatory neurotransmitter in the central nervous systemthrough activation of ligand-gated ion channels and Gprotein-coupled membrane receptors. The protein encoded by thisgene forms functional heteromeric kainate-preferring ionic channelswith the subunits encoded by related gene family members. [providedby RefSeq].

GRIK5 Antibody (N-term) Blocking Peptide - 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)