

GRIK3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13113a**Specification**

GRIK3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q13003](#)**GRIK3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2899**Other Names**Glutamate receptor ionotropic, kainate 3, GluK3, Excitatory amino acid receptor 5, EAA5,
Glutamate receptor 7, GluR-7, GluR7, GRIK3, GLUR7**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13113a was selected from the N-term region of GRIK3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

GRIK3 Antibody (N-term) Blocking Peptide - Protein Information**Name** GRIK3**Synonyms** GLUR7**Function**

Receptor for glutamate that functions as a ligand-gated ion channel in the central nervous system and plays an important role in excitatory synaptic transmission. 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 domoate > kainate >> L-glutamate = quisqualate >> AMPA = NMDA.

Cellular Location

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

GRIK3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GRIK3 Antibody (N-term) Blocking Peptide - Images

GRIK3 Antibody (N-term) Blocking Peptide - 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. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by RefSeq].

GRIK3 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Luciano, M., et al. Behav. Genet. 40(4):518-532(2010) Kilic, G., et al. Psychiatry Res 175 (1-2), 43-46 (2010) ; Gill, M.B., et al. J. Biol. Chem. 284(21):14503-14512(2009) Ahmad, Y., et al. World J. Biol. Psychiatry 10(4):330-333(2009)