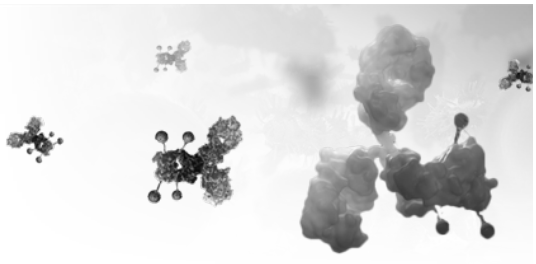

GRIK3 blocking peptide (CDBP5504)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	GRIK3 glutamate receptor, ionotropic, kainate 3 [Homo sapiens (human)]
Official Symbol	GRIK3
Synonyms	GRIK3; glutamate receptor, ionotropic, kainate 3; EAA5; GLR7; GLUR7; GluK3; GluR7a; glutamate receptor ionotropic, kainate 3; gluR-7; glutamate receptor 7; excitatory amino acid

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	receptor 5; dJ1090M5.1 (glutamate receptor, ionotropic, kainate 3 (GLUR7))
Entrez Gene ID	2899
mRNA Refseq	NM_000831
Protein Refseq	NP_000822
UniProt ID	Q13003
Pathway	Activation of Ca-permeable Kainate Receptor; Activation of Kainate Receptors upon glutamate binding; Glutamatergic synapse; Ionotropic activity of Kainate Receptors; Neuroactive ligand-receptor interaction; Neuronal System; Neurotransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell; Presynaptic function of Kainate receptors
Function	adenylate cyclase inhibiting G-protein coupled glutamate receptor activity; extracellular-glutamate-gated ion channel activity; glutamate receptor activity; ionotropic glutamate receptor activity; ionotropic glutamate receptor activity; kainate selective glutamate receptor activity

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