



GRIK2 blocking peptide (CDBP5503)

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. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation. [provided by RefSeq, Jul 2008]
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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	GRIK2 glutamate receptor, ionotropic, kainate 2 [Homo sapiens (human)]
Official Symbol	GRIK2
Synonyms	GRIK2; glutamate receptor, ionotropic, kainate 2; EAA4; GLR6; MRT6; GLUK6; GLUR6; GluK2;

glutamate receptor ionotropic, kainate 2; gluR-6; bA487F5.1; glutamate receptor 6; glutamate receptor form A; glutamate receptor form B; glutamate receptor form C; glutamate receptor form D; glutamate receptor form E; excitatory amino acid receptor 4

Entrez Gene ID	2898
mRNA Refseq	NM_001166247
Protein Refseq	NP_001159719
UniProt ID	Q13002
Pathway	Activation of Ca-permeable Kainate Receptor; Activation of Kainate Receptors upon glutamate binding; Activation of Na-permeable Kainate Receptors; Glutamatergic synapse; Ionotropic activity of Kainate Receptors; Neuroactive ligand-receptor interaction; Neuronal System; Neurotransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell
Function	extracellular-glutamate-gated ion channel activity; kainate selective glutamate receptor activity