



## Human GRIK3 blocking peptide (CDBP1431)

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

### PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-GRIK3/GLUR7 antibody
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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

### GENE INFORMATION

Gene Name	<a href="#">GRIK3 glutamate receptor, ionotropic, kainate 3 [ Homo sapiens (human) ]</a>
Official Symbol	GRIK3

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<b>Synonyms</b>	GRIK3; glutamate receptor, ionotropic, kainate 3; EAA5; GLR7; GLUR7; GluK3; GluR7a; glutamate receptor ionotropic, kainate 3; gluR-7; glutamate receptor 7; excitatory amino acid receptor 5; dJ1090M5.1 (glutamate receptor, ionotropic, kainate 3 (GLUR7));
<b>Entrez Gene ID</b>	<a href="#">2899</a>
<b>mRNA Refseq</b>	<a href="#">NM_000831.3</a>
<b>Protein Refseq</b>	<a href="#">NP_000822.2</a>
<b>UniProt ID</b>	A9Z1Z8
<b>Chromosome Location</b>	1p34.3
<b>Pathway</b>	Activation of Ca-permeable Kainate Receptor, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; Ionotropic activity of Kainate Receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Neuronal System, organism-specific biosyst
<b>Function</b>	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

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