



# Human GRIK5 blocking peptide (CDBP1434)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking peptide for anti-Grik5 antibody
<b>Antigen Description</b>	This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	PBS containing 0.02% sodium azide
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C, stable for one year.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GRIK5 glutamate receptor, ionotropic, kainate 5 [ Homo sapiens ]</a>
<b>Official Symbol</b>	GRIK5

<b>Synonyms</b>	GRIK5; glutamate receptor, ionotropic, kainate 5; GRIK2; glutamate receptor, ionotropic kainate 5; GluK5; KA2; glutamate receptor KA2; glutamate receptor KA-2; excitatory amino acid receptor 2; EAA2;
<b>Entrez Gene ID</b>	<a href="#">2901</a>
<b>mRNA Refseq</b>	<a href="#">NM_002088</a>
<b>Protein Refseq</b>	<a href="#">NP_002079</a>
<b>UniProt ID</b>	Q16478
<b>Chromosome Location</b>	19q13.2
<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;
<b>Function</b>	PDZ domain binding; SH3 domain binding; extracellular-glutamate-gated ion channel activity; identical protein binding; ion channel activity; kainate selective glutamate receptor activity; receptor activity;