



Human GRIK5 blocking peptide (CDBP1435)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-GRIK5/KA2 antibody
Antigen Description	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.
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	GRIK5 glutamate receptor, ionotropic, kainate 5 [Homo sapiens]
Official Symbol	GRIK5
Synonyms	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;

Entrez Gene ID	2901
mRNA Refseq	NM_002088
Protein Refseq	NP_002079
UniProt ID	Q16478
Chromosome Location	19q13.2
Pathway	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;
Function	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;