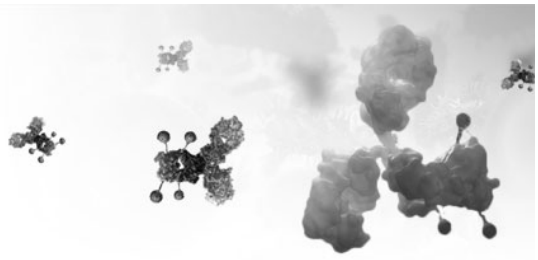

Human GRIK5 blocking peptide (CDBP1435)

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.
Nature	Synthetic
Expression System	N/A
Species	Human
Species Reactivity	Human, Cow, Rat
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Procedure	None
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

ANTIGEN GENE INFORMATION

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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;

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