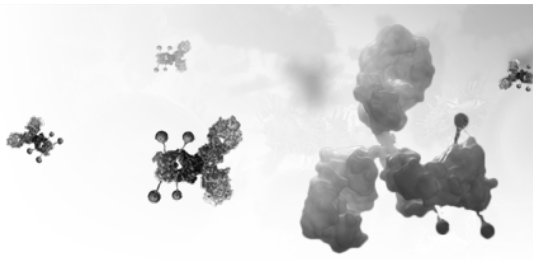

Human GRIA4 blocking peptide (CDBP1430)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-GRIA4 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. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing of this gene results in transcript variants encoding different isoforms, which may vary in their signal transduction properties. Some haplotypes of this gene show a positive association with schizophrenia. [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	GRIA4 glutamate receptor, ionotropic, AMPA 4 [Homo sapiens]

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Official Symbol	GRIA4
Synonyms	GRIA4; glutamate receptor, ionotropic, AMPA 4; GLUR4, glutamate receptor, ionotrophic, AMPA 4; glutamate receptor 4; GluA4; GLURD; gluR-4; gluR-D; AMPA-selective glutamate receptor 4; glutamate receptor, ionotrophic, AMPA 4; GLUR4; GLUR4C;
Entrez Gene ID	2893
mRNA Refseq	NM_000829
Protein Refseq	NP_000820
UniProt ID	P48058
Chromosome Location	11q22
Pathway	Activation of AMPA receptors, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem;
Function	alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate selective glutamate receptor activity; extracellular-glutamate-gated ion channel activity; ion channel activity; receptor activity;

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