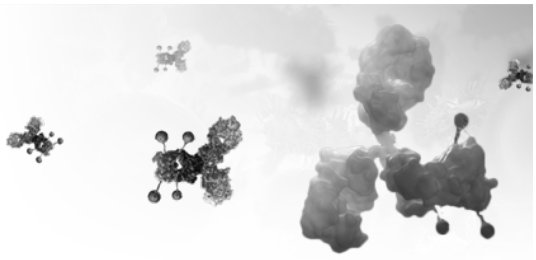

Anti-GRIA1 (aa 265-277) polyclonal antibody (DPABH-05916)

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

PRODUCT INFORMATION

Antigen Description	Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist.
Specificity	DPABH-05916 is expected to recognize both reported isoforms (NP_000818.2; NP_001107655.1).
Immunogen	Synthetic peptide: KIMQQWKNSDARD with a Cysteine residue linker, corresponding to internal sequence amino acids 265-277 of Human Glutamate Receptor 1 (AMPA subtype) (NP_000818.2; NP_001107655.1).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	200 µl
Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA

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Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	GRIA1 glutamate receptor, ionotropic, AMPA 2 [Homo sapiens]
Official Symbol	GRIA1
Synonyms	GRIA1; glutamate receptor, ionotropic, AMPA 1; GLUH1; GLUR1; GLURA; GluA1; HBGR1; glutamate receptor 1; AMPA 1; gluR-1; gluR-A; gluR-K1; AMPA-selective glutamate receptor 1;
Entrez Gene ID	2890
Protein Refseq	NP_000818.2
UniProt ID	P42261
Pathway	Activation of AMPA receptors; Amphetamine addiction; Amyotrophic lateral sclerosis (ALS); Amyotrophic lateral sclerosis (ALS)
Function	PDZ domain binding; alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate selective glutamate receptor activity; extracellular-glutamate-gated ion channel activity; glutamate receptor activity

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