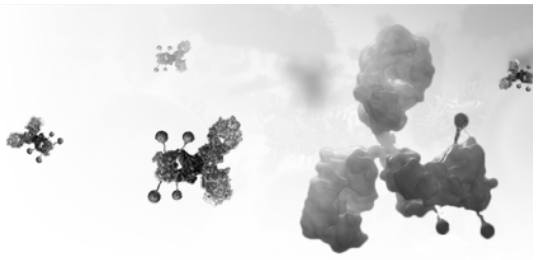

Anti-GRIA1 (aa 201-300) polyclonal antibody (DPAB-DC1454)

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

PRODUCT INFORMATION

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 with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	GRIA1 (NP_000818, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. The sequence is VVDCESERLNAILGQIIKLEKNGIGYHYILANLGFMDIDLNKFKESGANVTGFQLVNYTD TIPAKIMQQWKNSDARDHTRVDWKRPKYTSALTYDGVKVM
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	GRIA1 glutamate receptor, ionotropic, AMPA 1 [Homo sapiens (human)]
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
UniProt ID	P42261
Chromosome Location	5q31.1
Pathway	Activation of AMPA receptors; Amphetamine addiction; BDNF signaling pathway; Dopaminergic synapse
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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