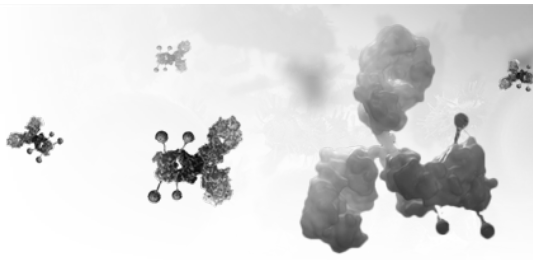

Mouse anti-Human GRIA3 polyclonal antibody (DPAB-DC1455)

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 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 at this locus results in different isoforms, which may vary in their signal transduction properties.
Immunogen	GRIA3 (NP_000819, 151 a.a. ~ 250 a.a) partial recombinant protein with GST tag. The sequence is SLLGHYKWEKFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRIIEEMD RRQEKRYLIDCEVERINTILEQVVILGKHSRGYHYMLANL
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.

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GENE INFORMATION

Gene Name	GRIA3 glutamate receptor, ionotropic, AMPA 3 [Homo sapiens (human)]
Official Symbol	GRIA3
Synonyms	GRIA3; glutamate receptor, ionotropic, AMPA 3; GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3; glutamate receptor 3; gluR-3; dJ1171F9.1; glutamate receptor C; glutamate receptor subunit 3; AMPA-selective glutamate receptor 3; glutamate receptor, ionotrophic, AMPA 3;
Entrez Gene ID	2892
Protein Refseq	NP_000819
UniProt ID	P42263
Chromosome Location	Xq25
Pathway	Activation of AMPA receptors; Amphetamine addiction; BDNF signaling pathway; Circadian entrainment
Function	alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate selective glutamate receptor activity; extracellular-glutamate-gated ion channel activity;

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