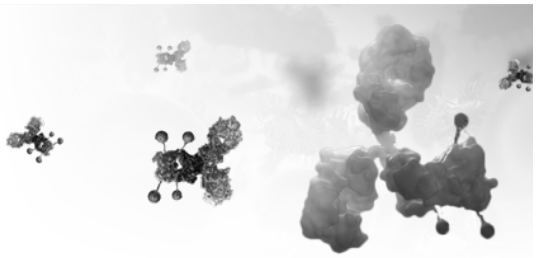

Anti-GRIK1 (aa 331-440) polyclonal antibody (DPAB-DC1460)

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. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene.
Immunogen	GRIK1 (NP_000821, 331 a.a. ~ 440 a.a) partial recombinant protein with GST tag. The sequence is VAIASHRASQLTVSSLQCHRHKPWRLGPRFMNLIKEARWDGLTGHITFNKTNGLRKDFDL DIISLKEEGTEKAAGEVSKHLYKVWKKIGIWNSNSGLNMTDSNKDKSSNI
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.

GENE INFORMATION

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Gene Name	GRIK1 glutamate receptor, ionotropic, kainate 1 [Homo sapiens (human)]
Official Symbol	GRIK1
Synonyms	GRIK1; glutamate receptor, ionotropic, kainate 1; EAA3; EEA3; GLR5; GLUR5; GluK1; glutamate receptor ionotropic, kainate 1; gluR-5; glutamate receptor 5; excitatory amino acid receptor 3;
Entrez Gene ID	2897
Protein Refseq	NP_000821
UniProt ID	P39086
Chromosome Location	21q22.11
Pathway	Activation of Ca-permeable Kainate Receptor; Activation of Na-permeable Kainate Receptors; Ionotropic activity of Kainate Receptors; Neuronal System
Function	extracellular-glutamate-gated ion channel activity; kainate selective glutamate receptor activity;

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