Datasheet for ABIN6141388

anti-GRIA4 antibody (AA 254-433)

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1 Image

Overview

Quantity:	100 µL
Target:	GRIA4
Binding Specificity:	AA 254-433
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIA4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 254-433 of human GluR4/GluA4/GluR4/GluA4/GRIA4 (NP_001070712.1).
Sequence:	HGGANVTGFQ LVDFNTPMVI KLMDRWKKLD QREYPGSETP PKYTSALTYD GVLVMAETFR SLRRQKIDIS RRGNAGDCLA NPAAPWGQGI DMERTLKQVR IQGLTGNVQF DHYGRRVNYT MDVFELKSTG PRKVGYWNDM DKLVLIQDVP TLGNDTAAIE NRTVVVTTIM PLMKNPILRN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	GRIA4
Alternative Name:	GRIA4 (GRIA4 Products)
Background:	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.,GRIA4,GLUR4,GLUR4C,GLURD,GluA4,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Dopamine Signaling in Parkinson's Disease,GRIA4
Molecular Weight:	49 kDa/100 kDa
Gene ID:	2893
UniProt:	P48058
Pathways:	PI3K-Akt Signaling

Application Details

Application Notes:	WB,1:1000 - 1:4000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

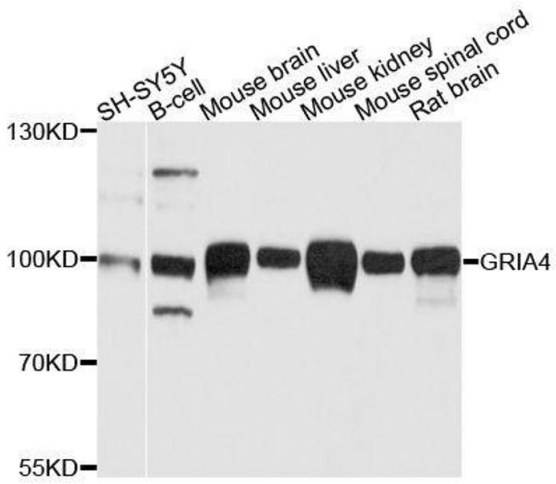
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GRIA4 antibody.

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