

Datasheet for ABIN210888 **anti-GRIK1 antibody (AA 937-949)**



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Overview

Quantity:	200 µg
Target:	GRIK1
Binding Specificity:	AA 937-949
Reactivity:	Human, Mouse, Rat, Rabbit, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	<p>KLH-conjugated, synthetic peptide corresponding to amino acids 937-949 (CHQRRRTQQRKETVA) of rat GluR5-2C isoform precursor. This sequence is identical in rat isoforms GluR5-2 and GluR5-2B/GluR5-1 and human GluR5 isoform 2/EAA3A, and is not present in rat isoform GluR5-2A and human GluR5 isoform 1. Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Rabbit (100%), Bovine, Horse (92%), Chicken, Lizard (85%).</p> <p>Type of Immunogen: Synthetic peptide - KLH conjugated</p>
Isotype:	IgG
Specificity:	Recognizes GluR5 isoforms, Mr 105-110kD. Species cross-reactivity: Rat. Predicted to cross-react with certain human and mouse GluR5 isoforms, based on sequence homology.

Product Details

Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Rabbit (100%) Bovine, Horse (92%) Chicken, Lizard (85%).
Purification:	Protein A purified

Target Details

Target:	GRIK1
Alternative Name:	GRIK1 / GLUR5 (GRIK1 Products)
Background:	Name/Gene ID: GRIK1 Subfamily: Glutamate receptor - ionotropic (NMDA receptor) Family: Ion Channel Synonyms: GRIK1, GluR-5, GLUR5, EEA3, GluK1, Glutamate receptor 5, EAA3, GLR5
Gene ID:	2897
UniProt:	P39086
Pathways:	Synaptic Membrane , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Approved: WB (0.5 - 2 µg/mL) Usage: Suitable for use in Western Blot. Recommended Dilution: Western Blot: 0.5-2 µg/mL detects GluR5 in RIPA lysates from a rat brain microsomal preparation. Western Blot Analysis: Rat brain microsomal preparation was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-GluR5 (2 µg/mL). Proteins were visualized using a goat anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system.
Comment:	Target Species of Antibody: Rat
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.1 M Tris-glycine, pH 7.4, 0.15 M sodium chloride, 0.05 % sodium azide, 30 % glycerol.

Handling

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 Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.