

Datasheet for ABIN185678

anti-GRIN1/NMDAR1 antibody (Internal Region)

5 Images

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Overview

Quantity:	100 µg
Target:	GRIN1/NMDAR1 (GRIN1)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GRIN1/NMDAR1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Purpose:	NMDA receptor 1 / GRIN1
Immunogen:	Peptide with sequence C-TQERVNNSNKKE, from the internal region of the protein sequence according to NP_000823.4, NP_067544.1, NP_015566.1.
Sequence:	TQERVNNSNK KE
Isotype:	IgG
Specificity:	This antibody is expected to recognise all three reported isoforms (NP_000823.4, NP_067544.1, NP_015566.1).
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target:	GRIN1/NMDAR1 (GRIN1)
Alternative Name:	GRIN1 (GRIN1 Products)
Background:	GRIN1, NMDA receptor 1, glutamate receptor, ionotropic, N-methyl D-aspartate 1 , NMDA1, NMDAR1, NR1 , N-methyl-D-aspartate receptor channel, subunit zeta-1, glutamate [NMDA] receptor subunit zeta 1
Gene ID:	2902, 14810, 24408
NCBI Accession:	NP_000823 , NP_067544 , NP_015566
Pathways:	Synaptic Membrane , Feeding Behaviour , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the membrane and cytoplasm of MCF7 and NIH3T3 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

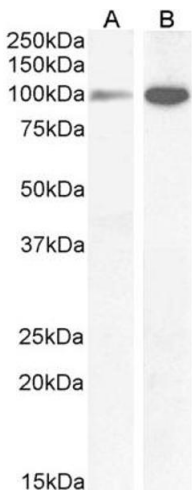
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunofluorescence

Image 1. (ABIN185678) Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing plasma membrane and cytoplasmic staining. The nu



Western Blotting

Image 2. ABIN185678 (1µg/ml) staining of Human Amylgada (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



Image 3. ABIN185678 (2µg/ml) staining of Rat Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN185678.