

Datasheet for ABIN678338

anti-GRIN1/NMDAR1 antibody (AA 601-700)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	GRIN1/NMDAR1 (GRIN1)
Binding Specificity:	AA 601-700
Reactivity:	Human, Rat, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIN1/NMDAR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NMDAR1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	GRIN1/NMDAR1 (GRIN1)
---------	----------------------

Target Details

Alternative Name:	NMDAR1 (GRIN1 Products)
Background:	<p>Synonyms: NR1, MRD8, GluN1, NMDA1, NMD-R1, NMDAR1, Glutamate receptor ionotropic, NMDA 1, Glutamate [NMDA] receptor subunit zeta-1, N-methyl-D-aspartate receptor subunit NR1, GRIN1</p> <p>Background: NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal functions in glutamate neurotransmission. Is involved in the cell surface targeting of NMDA receptors (By similarity).</p>
Gene ID:	2902
UniProt:	Q05586
Pathways:	Synaptic Membrane , Feeding Behaviour , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

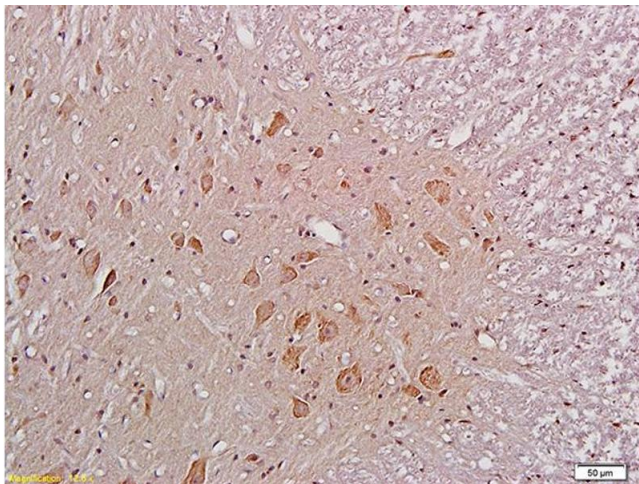
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Wang, Li, Liu, Feng, Jiang, Long, Wu: "Motor neuron degeneration following glycine-mediated excitotoxicity induces spastic paralysis after spinal cord ischemia/reperfusion injury in rabbit." in: **American journal of translational research**, Vol. 9, Issue 7, pp. 3411-3421, (2017) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat spinal cord labeled with Anti-NR1/NMDAR1 Polyclonal Antibody, Unconjugated (ABIN678338) at 1:200 followed by conjugation to the secondary antibody and DAB staining