



[Go to Product page](#)

Datasheet for ABIN7267417  
**anti-GRIN1/NMDAR1 antibody**

4 Images

### Overview

Quantity:	100 µL
Target:	GRIN1/NMDAR1 (GRIN1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GRIN1/NMDAR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Purpose:	NMDAR1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human NMDAR1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	GRIN1/NMDAR1 (GRIN1)
Alternative Name:	GRIN1 ( <a href="#">GRIN1 Products</a> )
Background:	The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors,

## Target Details

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members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008],GluN1, MRD8, NMD-R1, NMDA1, NMDAR1, NR1,Neurodegenerative Diseases,Neurodegenerative Diseases\_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neurodegenerative Diseases\_Dopamine Signaling in Parkinsons Disease,Neuroscience,Protein phosphorylation,GRIN1

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Molecular Weight: 120kDa

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Gene ID: 2902

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UniProt: [Q05586](#)

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Pathways: [Synaptic Membrane](#), [Feeding Behaviour](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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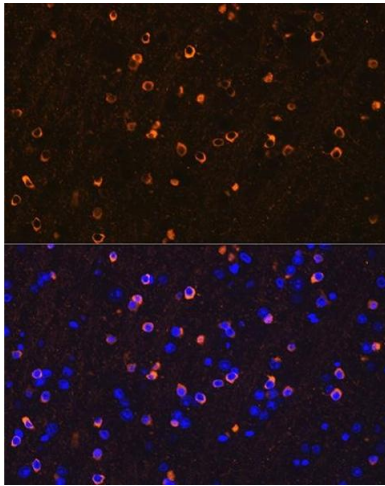
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

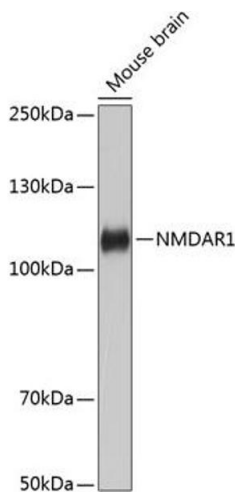
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



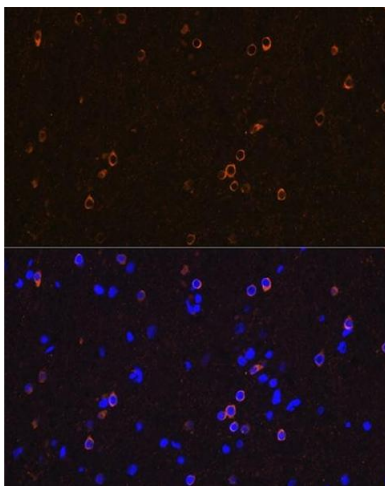
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of mouse brain using NMD Rabbit mAb (ABIN7267417) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of Mouse brain, using NMD Rabbit mAb (ABIN7267417) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of rat brain using NMD Rabbit mAb (ABIN7267417) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7267417.