

## **Product Data Sheet: NMDA Receptor 1**

Cat. No: AB-90170

Conjugate: Unconjugated

Size: 100 ug Clone: **POLY Concentration:** 1mg/ml Host: Rb

Isotype: **IgG** 

A synthetic peptide corresponding to a sequence within amino acids 600-700 of Immunogen:

human GRIN1.

Reactivity: Hu, Ms, Rt

Western Blot: 1:500 - 1:2000

**Applications:** Immunohistochemistry: 1:50 - 1:200

Immunofluorescence: 1:50 - 1:200

**Molecular Weight:** 110kDa **Purification:** Aff. Pur.

**Synonyms:** GRIN1;GluN1;MRD8;NMD-R1;NMDA1;NMDAR1;NR1;NMDA1

> The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligandgated ion channel. These subunits play a key role in the plasticity of

**Background:** synapses, which is believed to underlie memory and learning. Cell-specific factors

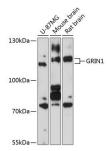
are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively, spliced transcript variants

have been described.

Form: Liquid

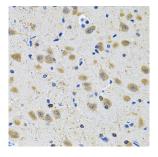
**Buffer:** PBS with 0.02% sodium azide,50% glycerol,pH7.3.

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

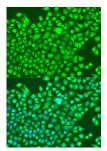


Western blot analysis of extracts of various cell lines, using GRIN1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in



Immunohistochemistry of paraffinembedded rat brain using GRIN1 Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using GRIN1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



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TBST.
Detection: ECL West Pico Plus.
Exposure time: 90s.

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