

## Rabbit NMDAR1 Polyclonal Antibody | anti-NMDAR1 antibody

Rabbit anti-NMDAR1 Antibody

|                               |                       |                                             |                                                           |
|-------------------------------|-----------------------|---------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA221416</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat, Dog</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

NMDAR1; Polyclonal Antibody; Rabbit anti-NMDAR1 Antibody; Glutamate receptor ionotropic; NMDA 1; GluN1; Glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; NMD-R1; anti-NMDAR1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                       |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                |
| Reactivity                                       | Human, Mouse, Rat, Dog                                                                                                                |
| Clonality                                        | Polyclonal                                                                                                                            |
| Purity/Purification                              | The antibody was purified by immunogen affinity chromatography.                                                                       |
| Form/Format                                      | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                             |
| Concentration                                    | 1mg/mL (varies by lot)                                                                                                                |
| Applicable Applications for anti-NMDAR1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                         |
| Immunogen                                        | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NMDAR1. The exact sequence is proprietary. |
| Preparation and Storage                          | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                             |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of NMDAR1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of NMDAR1 expression in A549 (A), Y79 (B), Raji (C) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Product Categories/Family for anti-NMDAR1 antibody | Primary antibodies |
|----------------------------------------------------|--------------------|

### NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 11496971 |
| NCBI GeneID | 2902     |

|                                  |                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | NP_000823.4                                                                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_000832.6                                                                                                                                                                                                                         |
| UniProt Accession #              | Q05586; P35438; P35439                                                                                                                                                                                                              |
| Molecular Weight                 | 105,373 Da                                                                                                                                                                                                                          |
| NCBI Official Full Name          | glutamate receptor ionotropic, NMDA 1 isoform NR1-1                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | glutamate receptor, ionotropic, N-methyl D-aspartate 1                                                                                                                                                                              |
| NCBI Official Symbol             | GRIN1                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | NR1; MRD8; GluN1; NMDA1; NMDAR1                                                                                                                                                                                                     |
| NCBI Protein Information         | glutamate receptor ionotropic, NMDA 1; NMD-R1; glutamate [NMDA] receptor subunit zeta 1; glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; N-methyl-D-aspartate receptor channel, subunit zeta-1 |
| UniProt Protein Name             | Glutamate receptor ionotropic, NMDA 1                                                                                                                                                                                               |
| UniProt Gene Name                | GRIN1                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | NMDAR1; GluN1; NMD-R1                                                                                                                                                                                                               |
| UniProt Entry Name               | NMDZ1_HUMAN                                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nmdar1-antibody-immunohistochemistry-western-blot-elisa/221416>