

## Rabbit NMDAR1 Polyclonal Antibody | anti-NMDAR1 antibody

NMDAR1 (Phospho-Ser897) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA316552 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

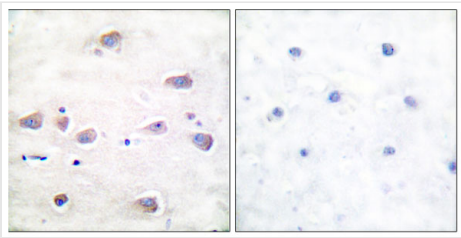
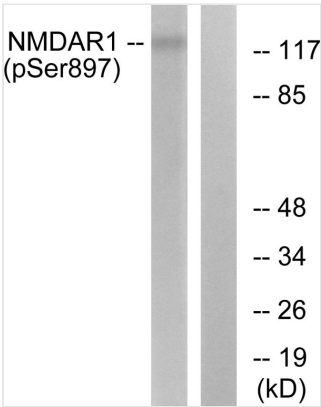
### PRODUCT SYNONYMS

NMDAR1; Polyclonal Antibody; NMDAR1 (Phospho-Ser897) Antibody; GLURZ1; GRIN1; Glutamate [NMDA] receptor subunit zeta 1 precursor; N-methyl-D-aspartate receptor; NMD-R1; NMDZ1; NMZ1; NR1; anti-NMDAR1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                           |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                |
| Clonality                                        | Polyclonal                                                                                                                                                                                       |
| Specificity                                      | NMDAR1 (Phospho-Ser897) Antibody detects endogenous levels of NMDAR1 only when phosphorylated at Ser897.                                                                                         |
| Purity/Purification                              | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                      | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                               |
| Concentration                                    | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                  | 906                                                                                                                                                                                              |
| Applicable Applications for anti-NMDAR1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                             |
| Target Modification                              | Phospho                                                                                                                                                                                          |
| Modification Sites                               | H:S897; M:S897; R:S897                                                                                                                                                                           |
| Immunogen                                        | The antiserum was produced against synthesized peptide derived from human NMDAR1 around the phosphorylation site of Ser897.                                                                      |
| Immunogen Range                                  | 864-913                                                                                                                                                                                          |
| Preparation and Storage                          | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |

IMAGES



IHC (Immunohistochemistry)  
Immunohistochemistry analysis of paraffin-embedded human brain, using NMDAR1 (Phospho-Ser897) Antibody. The picture on the right is blocked with the phospho peptide.

WB (Western Blot)  
Western blot analysis of lysates from LOVO cells, using NMDAR1 (Phospho-Ser897) Antibody. The lane on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11496971                                                                                       |
| NCBI GeneID                      | 2902                                                                                           |
| NCBI Accession #                 | NP_000823.4                                                                                    |
| NCBI GenBank Nucleotide #        | NM_000832.6                                                                                    |
| UniProt Accession #              | Q05586; P35437; Q12867; Q12868; Q5VSF3; Q5VSF4; Q5VSF5; Q5VSF6; Q5VSF7; A6NLK7; A6NLR1; C9K0X1 |
| Molecular Weight                 | 105 kDa                                                                                        |
| NCBI Official Full Name          | glutamate receptor ionotropic, NMDA 1 isoform GluN1-4a                                         |
| NCBI Official Synonym Full Names | glutamate ionotropic receptor NMDA type subunit 1                                              |
| NCBI Official Symbol             | GRIN1                                                                                          |
| NCBI Official Synonym Symbols    | NR1; MRD8; GluN1; NMDA1; NDHMSD; NDHMSR; NMD-R1; NMDAR1                                        |
| NCBI Protein Information         | glutamate receptor ionotropic, NMDA 1                                                          |
| UniProt Protein Name             | Glutamate receptor ionotropic, NMDA 1                                                          |
| UniProt Gene Name                | GRIN1                                                                                          |
| UniProt Synonym Gene Names       | NMDAR1; GluN1; NMD-R1                                                                          |

**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.