

**Anti-NMDAR1 (pS896) Antibody**  
Rabbit polyclonal antibody to NMDAR1 (pS896)  
Catalog # AP60569

## Specification

---

### Anti-NMDAR1 (pS896) Antibody - Product Information

Application	WB
Primary Accession	<a href="#">Q05586</a>
Other Accession	<a href="#">P35438</a>
Reactivity	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	105373

### Anti-NMDAR1 (pS896) Antibody - Additional Information

Gene ID 2902

#### Other Names

NMDAR1; Glutamate receptor ionotropic, NMDA 1; GluN1; Glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; NMD-R1

#### Target/Specificity

Recognizes endogenous levels of NMDAR1 (pS896) protein.

#### Dilution

WB~~WB (1/500 - 1/1000)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

### Anti-NMDAR1 (pS896) Antibody - Protein Information

Name GRIN1

Synonyms NMDAR1

#### Function

Component of NMDA receptor complexes that function as heterotetrameric, ligand-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Channel activation requires binding of the neurotransmitter glutamate to the epsilon subunit, glycine binding to the zeta subunit, plus membrane depolarization to eliminate channel inhibition by Mg(2+) (PubMed:<a href="http://www.uniprot.org/citations/26875626" target="\_blank">26875626</a>, PubMed:<a href="http://www.uniprot.org/citations/26919761" target="\_blank">26919761</a>

target="\_blank">26919761</a>, PubMed:<a href="http://www.uniprot.org/citations/28105280" target="\_blank">28105280</a>, PubMed:<a href="http://www.uniprot.org/citations/28126851" target="\_blank">28126851</a>, PubMed:<a href="http://www.uniprot.org/citations/7685113" target="\_blank">7685113</a>). Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:<a href="http://www.uniprot.org/citations/26919761" target="\_blank">26919761</a>).

#### Cellular Location

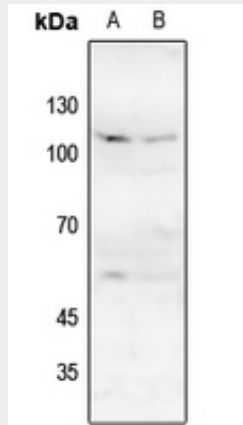
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane. Postsynaptic density. Note=Enriched in postsynaptic plasma membrane and postsynaptic densities.

#### Anti-NMDAR1 (pS896) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-NMDAR1 (pS896) Antibody - Images



Western blot analysis of NMDAR1 (pS896) expression in HeLa (A), HGC27 (B) whole cell lysates.

#### Anti-NMDAR1 (pS896) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NMDAR1. The exact sequence is proprietary.