

**NMDAε4 Polyclonal Antibody**  
**Catalog # AP71338****Specification**

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**NMDAε4 Polyclonal Antibody - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB                        |
| Primary Accession | <a href="#">O15399</a>    |
| Reactivity        | Human, Mouse, Rat, Monkey |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |

**NMDAε4 Polyclonal Antibody - Additional Information****Gene ID** 2906**Other Names**

GRIN2D; GluN2D; NMDAR2D; Glutamate [NMDA] receptor subunit epsilon-4; EB11; N-methyl D-aspartate receptor subtype 2D; NMDAR2D; NR2D

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**NMDAε4 Polyclonal Antibody - Protein Information****Name** GRIN2D**Synonyms** GluN2D, NMDAR2D**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/9489750" target="\_blank">9489750</a>, PubMed:<a href="http://www.uniprot.org/citations/27616483" target="\_blank">27616483</a>, PubMed:<a href="http://www.uniprot.org/citations/26875626" target="\_blank">26875626</a>, PubMed:<a href="http://www.uniprot.org/citations/28126851" target="\_blank">28126851</a>). Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:<a href="http://www.uniprot.org/citations/9489750" target="\_blank">9489750</a>).

**Cellular Location**

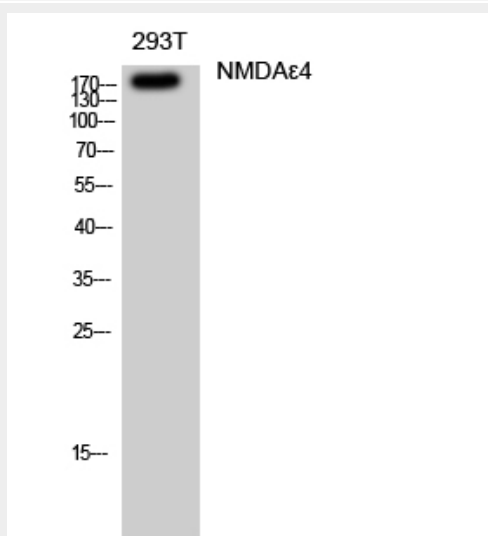
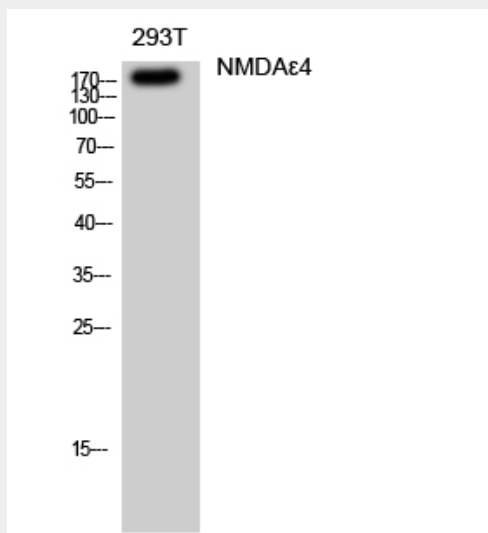
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein

### NMDAε4 Polyclonal 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](#)

### NMDAε4 Polyclonal Antibody - Images



**NMDA $\epsilon$ 4 Polyclonal Antibody - Background**

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