

Phospho-NMDAR1-S896/S897 Rabbit pAb

Catalog No.: AP0962

Basic Information

Observed MW

Refer to figures

Calculated MW

105kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

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 ligand-gated ion channel. These subunits play a key role in the plasticity of 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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

2902

Swiss Prot

Q05586

Immunogen

A synthetic phosphorylated peptide around S896 & S897 of human NMDAR1 (NP_015566.1).

Synonyms

NR1; MRD8; GluN1; NMDA1; DEE101; NDHMSD; NDHMSR; NMD-R1; NMDAR1; Phospho-NMDAR1-S896/S897

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

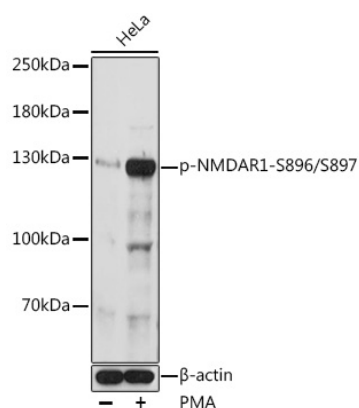
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-NMDAR1-S896/S897 Rabbit pAb (AP0962) at 1:1000 dilution. HeLa cells were treated by UV at room temperature for 30 minutes and PMA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.