

Phospho-NMDAR1-S896/S897 Rabbit pAb

Catalog No.: AP0962

Basic Information

Observed MW

Refer to figures

Calculated MW

105kDa

Category

Primary antibody

Applications

WB, ELISA

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2902

Swiss Prot

Q05586

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

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

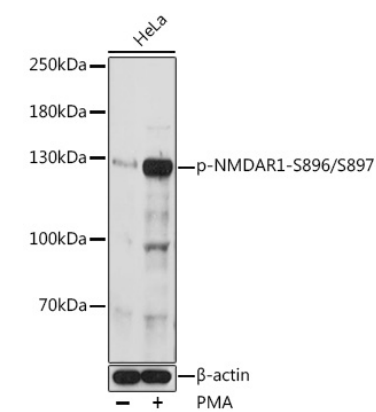
Affinity purification

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 with UV at room temperature for 30 minutes and PMA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated 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.