

Product datasheet for **AP02396PU-N**

NMDAR1 (GRIN1) pSer896 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Suitable for use in Western blot (1:500~1:1000).
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human NMDAR1 around the phosphorylation site of serine 896 (R-R-SP-S-K).
Specificity:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. NMDAR1 (phospho-Ser896) antibody detects endogenous levels of NMDAR1 only when phosphorylated at serine 896.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	glutamate ionotropic receptor NMDA type subunit 1
Database Link:	Entrez Gene 2902 Human Q05586



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Background:

NMDA receptor subtypes of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. NMDAR1 plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal functions in glutamate neurotransmission and is involved in the cell surface targeting of NMDA receptors.

Synonyms:

NMDAR1,GRIN1

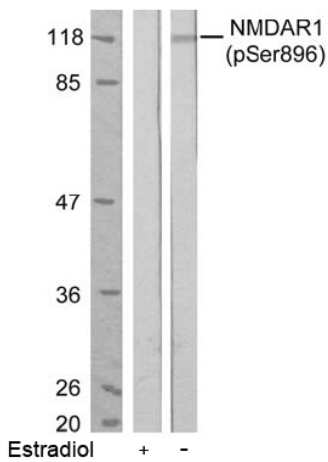
Product images:


Figure 1. Western blot analysis of extract from MCF7 cells, untreated or treated with estradiol (100 nM, 20 min), using NMDAR1 (phospho-Ser896) antibody.