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Product datasheet for AP09506PU-S

NMDAR1 (GRIN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF
Recommended Dilution:	Immunofluorescence: 1/100-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around amino acids 895~899 (R-S-S-K-D)from Human NMDAR1.
Specificity:	This Antibody detects endogenous levels of total NMDAR1 protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography using epitope-specific peptide
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 14810 MouseEntrez Gene 24408 RatEntrez Gene 2902 Human Q05586
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
Protein Families:	Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

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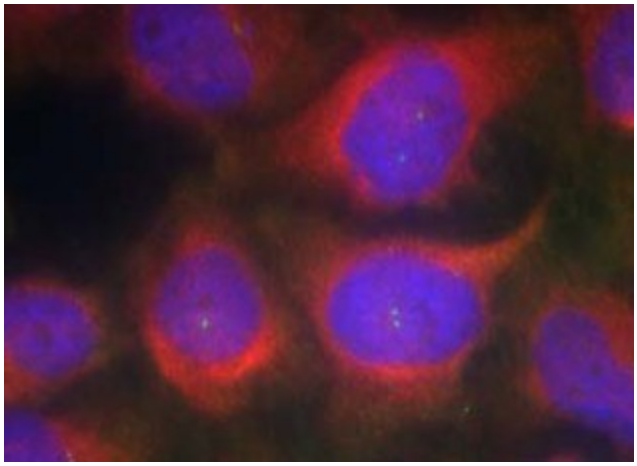
Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Calcium signaling pathway, Huntington's disease, Long-term potentiation, Neuroactive ligand-receptor interaction

Product images:



Immunofluorescence staining of methanol-fixed HeLa cells using NMDAR1 Antibody