

Product datasheet for **AP51952PU-N**

NMDAR2A (GRIN2A) (Center) Rabbit Polyclonal Antibody

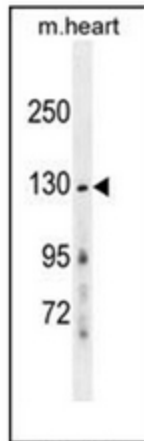
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1057-1084 amino acids from the Central region of Human NMDA Receptor 2A
Specificity:	This antibody recognizes Human and Mouse NMDA Receptor 2A (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutamate ionotropic receptor NMDA type subunit 2A
Database Link:	Entrez Gene 14811 Mouse Entrez Gene 2903 Human Q12879

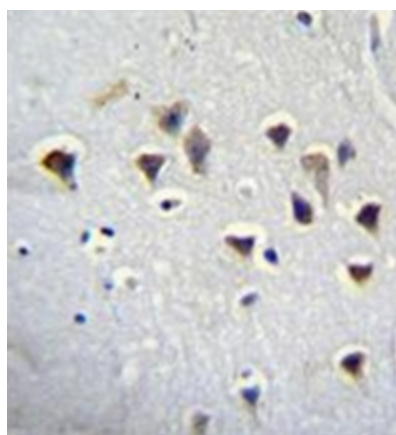


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Background:	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate-gated ion channels. These receptors have been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C) and NMDAR2D (GRIN2D). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Synonyms:	NMDAR2A, GRIN2A, NR2A
Note:	Molecular Weight: 165283 Da
Protein Families:	Druggable Genome, Ion Channels: Glutamate Receptors, Ion Channels: Sodium, Transmembrane
Protein Pathways:	Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Calcium signaling pathway, Long-term potentiation, Neuroactive ligand-receptor interaction, Systemic lupus erythematosus

Product images:

Western blot analysis of NMDA Receptor 2A Antibody (Center) in mouse heart tissue lysates (35ug/lane).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with NMDA Receptor 2A Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.