

Anti-NMDA NR1 Subunit, Splice Variant C2' Antibody

Our Anti-NMDA NR1 Subunit, Splice Variant C2' rabbit polyclonal primary antibody from PhosphoSolutio
Catalog # AN1477

Product Information

Application	WB, IHC
Primary Accession	P35439
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	105509

Additional Information

Gene ID	24408
Other Names	GluN1 antibody, Glutamate [NMDA] receptor subunit zeta-1 antibody, Glutamate receptor ionotropic N methyl D aspartate 1 antibody, Glutamate receptor ionotropic N-methyl-D aspartate subunit 1 antibody, glutamate receptor ionotropic NMDA 1 antibody, Grin1 antibody, MRD8 antibody, N methyl D aspartate receptor antibody, N methyl D aspartate receptor channel subunit zeta 1 antibody, N methyl D aspartate receptor subunit NR1 antibody, N-methyl-D-aspartate receptor subunit NR1 antibody, NMD-R1 antibody, NMDA 1 antibody, NMDA R1 antibody, NMDAR1 antibody, NMDA receptor 1 antibody, NMDA1 antibody, NMDAR antibody, NMDZ1_HUMAN antibody, NR1 antibody

Target/Specificity	The NMDA receptor (NMDAR) plays an essential role in memory, neuronal development and it has also been implicated in several disorders of the central nervous system including Alzheimer's, epilepsy and ischemic neuronal cell death (Grosshans et al., 2002; Wenthold et al., 2003; Carroll and Zukin, 2002). Increased membrane surface expression of the NMDAR, NR1-Subunit has been associated with synaptic plasticity (Grosshans et al., 2002). There are a number of different splice variants of the NR1-Subunit (Foldes et al., 1994; Zukin and Bennett, 1995). Differential splicing of three exons in the NR1-Subunit generates up to eight NR1-Subunit splice variants and 7 of these have been identified in cDNA libraries. These exons encode a 21 amino acid N-terminal domain (N1) and adjacent sequences in the C-terminus (C1 and C2). Splicing out the C2 cassette eliminates the first stop codon and produces a new reading frame that generates a new sequence of 22 amino acids (C2'). Considerable attention has been focused on the distribution and expression of these splice variants that may affect the functional properties and regulation of the NMDAR.
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Dilution	WB~~1:1000 IHC~~1:100~500
Format	Antigen Affinity Purified from Pooled Serum

Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-NMDA NR1 Subunit, Splice Variant C2' Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.