10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-NMDA NR2B Subunit Antibody

Our Anti-NMDA NR2B Subunit rabbit polyclonal primary antibody from PhosphoSolutions is produced in-h

Catalog # AN1486

Specification

Anti-NMDA NR2B Subunit Antibody - Product Information

Application	**WB**
Primary Accession	Q00960
Reactivity	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**166071**

Anti-NMDA NR2B Subunit Antibody - Additional Information

Gene ID	**24410**

Other Names

EPND antibody, FESD antibody, GluN2A antibody, Glutamate [NMDA] receptor subunit epsilon-1 antibody, Glutamate receptor antibody, Glutamate receptor ionotropic N methyl D aspartate 2A antibody, GRIN 2A antibody, GRIN2A antibody, hNR2A antibody, LKS antibody, N methyl D aspartate receptor channel subunit epsilon 1 antibody, N Methyl D Aspartate Receptor Subtype 2A antibody, N methyl D aspartate receptor subunit 2A antibody, N-methyl D-aspartate receptor subtype 2A antibody, NMDA receptor subtype 2A antibody, NMDAR 2A antibody, NMDAR2A antibody, NMDE1_HUMAN antibody, NR2A antibody, OTTHUMP00000160135 antibody, OTTHUMP00000174531 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). The NMDA receptor is also one of the principal molecular targets for alcohol in the CNS (Lovinger et al., 1989; Alvestad et al., 2003; Snell et al., 1996). The NMDAR is also potentiated by protein phosphorylation (Lu et al., 1999). The rat NMDAR1 (NR1) was the first subunit of the NMDAR to be cloned. The NR1 protein can form NMDA activated channels when expressed in Xenopus oocytes but the currents in such channels are much smaller than those seen in situ. Channels with more physiological characteristics are produced when the NR1 subunit is combined with one or more of the NMDAR2 (NR2 A-D) subunits.

Format

Neat 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 NR2B Subunit Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

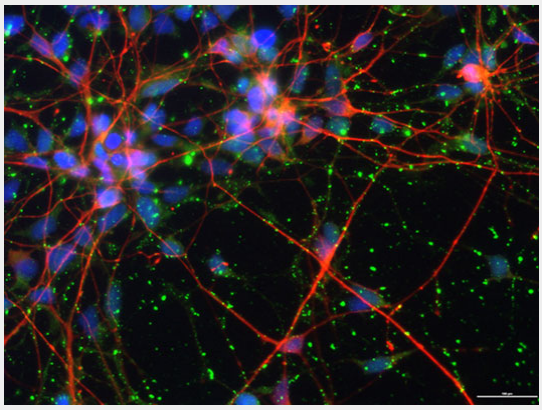
Shipping
Blue Ice

Anti-NMDA NR2B Subunit Antibody - Protocols

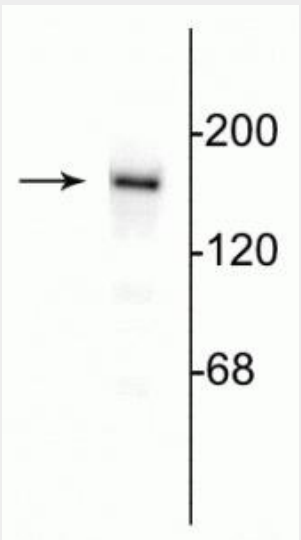
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NMDA NR2B Subunit Antibody - Images



Immunofluorescence of healthy iPSC-derived neurons labeled with Anti-NMDA Receptor, NR2B subunit (cat. 1498-NR2B, green, 1:100) and Anti-TuJ1 (red). The blue is Hoechst staining of nuclear DNA. Image kindly provided by Dr. Allison Ebert, Medical College of Wisconsin.



Western blot of 10 µg of rat hippocampal lysate showing specific immunolabeling of the ~180 kDa NR2B subunit of the NMDA receptor.

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Anti-NMDA NR2B Subunit Antibody - Background

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