NMDAR NR3A/B Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 60100
Format: 100ug Protein G-purified antibody in 100ul PBS, pH 7.4.

BACKGROUND

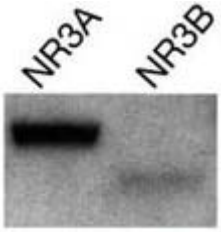
Two subunits of the NMDA subtype of glutamate receptor (NMDAR) have been identified as NR3A and NR3B. These subunits show high sequence homology although different distribution patterns: NR3B is expressed predominantly in motor neurons while NR3A is more widely distributed. When expressed in *Xenopus* oocytes, NR3A or NR3B assemble with NR1 to form excitatory glycine receptors that are unaffected by glutamate.

SPECIFICATION SUMMARY

Antigen: Fusion protein of NR3A aa 780-914 from the extracellular III-IV loop.
Accession no.: Q8TCU5
Gene ID: 116443
Host Species: Mouse
Clone no.: K35/40
Antibody subtype: IgG1
Specificity: This antibody recognizes NMDAR subunits NR3A and NR3B. It does not cross-react with subunits NR1 or NR2A-D.

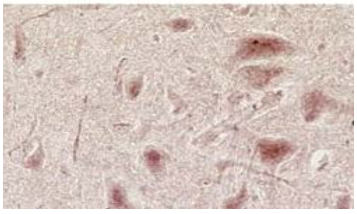
APPLICATIONS

Immunoblotting: use at 1-10ug/ml.
Predicted molecular weight 125-130kDa.



Detection of NR3A- and NR3B-transfected HEK293T cell lysates probed with #60100.

Immunohistochemistry: use at 1-10ug/ml.



Mouse spinal cord ventral horn stained with #60100.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C. Store in appropriate aliquots to avoid multiple freeze-thaw cycles.

REFERENCE: Chatterton et al. Nature 415: 793-79 (2002).

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.

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