

## 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

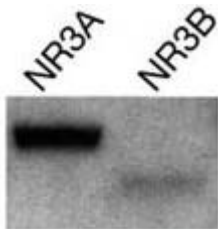
**Clone no.:** K35/40

**Antibody subtype:** IgG1

**Specificity:** This antibody recognizes NMDAR subunits NR3A and NR3B. It does not cross-react with subunits NR1 or NR2A-D.

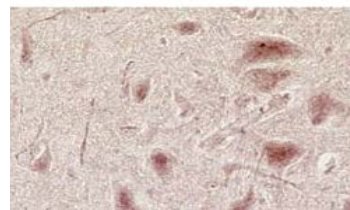
### APPLICATIONS

**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).

*Products are for research use only. Not for use in diagnostic or therapeutic procedures.*

QED Bioscience, Inc. 410 Axminister Dr, St. Louis, MO 63026

Phone: (800) 538-1145

Email: leincoglobal@leinco.com