

NR1 Glutamate Receptor Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56525 (clone S308-48)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

The NMDA receptor (NMDAR), a glutamate receptor, is the predominant molecular device for controlling synaptic plasticity and memory function. NMDAR is a heterotetramer of two NR1 and two NR2 subunits. Multiple receptor isoforms with distinct brain distributions and functional properties arise by selective splicing of the NR1 transcripts and differential expression of the NR2 subunits.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 42-361 (extracellular N-terminus) of rat NR1 (accession no. NP_058706.1).

Host Species: Mouse

Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human, mouse, and rat NR1.

APPLICATIONS

Immunoblotting: use at 1-2ug/ml. A band of ~105kDa is detected.



Immunoblot on rat brain membranes.

Immunohistochemistry: use at 1-5ug/ml. These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

Positive control: Rat brain membranes.

DILUTION INSTRUCTIONS

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

STORAGE AND STABILITY

This product is stable for at least 1 year at -20°C. Freeze in multiple aliquots to avoid repeated freeze-thaw cycles.

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