

GluN2A/NR2A Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56546 (clone S327-95)
Size: 100ug in PBS, pH 7.4; 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.

BACKGROUND

N-methyl-D-aspartate receptors are heteromeric protein complexes, and three families of NMDAR subunits have been identified: NR1, NR2 and NR3. The subunit composition determines the pharmacological and physiological properties of the NMDARs. NR2A is gradually increased in adult CNS but is absent in embryonic CNS. Electro-physiological data suggest that NR2A-containing NMDARs tend to be localized synaptically, whereas NR2B-containing receptors tend to be localized perisynaptically or extrasynaptically. In the spinal cord, the predominant subunits of NMDARs include NR2A at synaptic sites and NR2B at extrasynaptic sites.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 75-325 (extracellular N-terminus) of rat GluN2A/NR2A (accession no. Q00959).

Host Species: Mouse

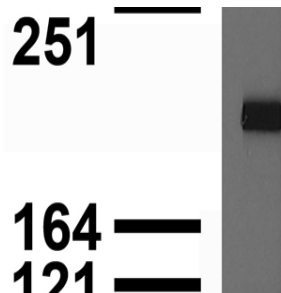
Antibody Class: IgG2a

SPECIFICITY

This antibody recognizes human, mouse, and rat GluN2A/NR2A. It does not cross-react with NR2B.

APPLICATIONS

Immunoblotting: use at 1ug/ml. A band of ~170kDa is detected.



Positive control: Rat brain lysate. These are recommended concentrations. User should determine optimal concentrations for their application.

DILUTION INSTRUCTIONS

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

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

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