

NMDAR2A monoclonal antibody

Catalog: MB11313

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Component of NMDA receptor complexes that function as heterotetrameric, ligand-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Channel activation requires binding of the neurotransmitter glutamate to the epsilon subunit, glycine binding to the zeta subunit, plus membrane depolarization to eliminate channel inhibition by Mg²⁺. Sensitivity to glutamate and channel kinetics depend on the subunit composition; channels containing GRIN1 and GRIN2A have higher sensitivity to glutamate and faster kinetics than channels formed by GRIN1 and GRIN2B. Contributes to the slow phase of excitatory postsynaptic current, long-term synaptic potentiation, and learning.

Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

Molecular Weight:

Calculated MW: 165 kDa; Observed MW: 165 kDa

Swiss-Prot:

P35436

Purification&Purity:

Affinity Purified

Applications:

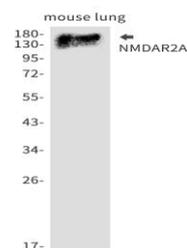
WB: 1/500-1/1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

IgG

DATA:

Western blot analysis of NMDAR2A in mouse lung lysates using NMDAR2A antibody.

Note:

For research use only, not for use in diagnostic procedure.

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