

Product Name: NMDAR2A Rabbit Monoclonal Antibody
Catalog #: AMRe03787



Summary

Production Name	NMDAR2A Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	Grin2A
Alternative Names	NR2A; GluN2A; NMDAR2A; GluRepsilon1
Gene ID	14811.0
SwissProt ID	P35436

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 165 kDa; Observed MW: 165 kDa

Background

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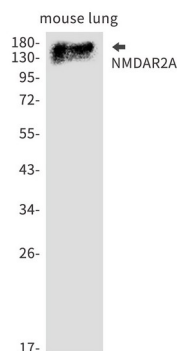


Component of NMDA receptor complexes that function as heterotetrameric, ligand-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Channel activation requires binding of the neurotransmitter glutamate to the epsilon subunit, glycine binding to the zeta subunit, plus membrane depolarization to eliminate channel inhibition by Mg^{2+} . 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.

Research Area

Neuroscience

Image Data



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

Note

For research use only.