

NMDAR2A Rabbit mAb

Catalog No: #52465



Package Size: #52465-1 50ul #52465-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

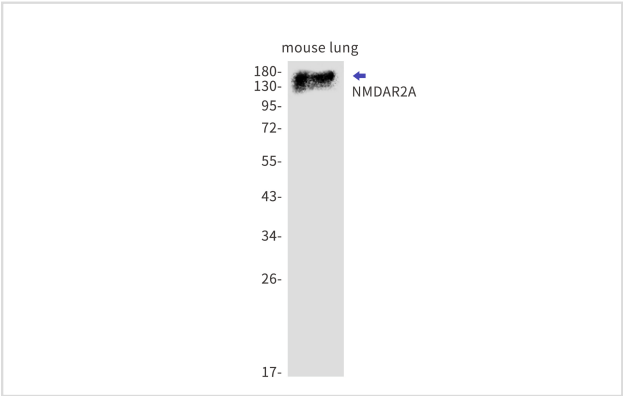
Description

Product Name	NMDAR2A Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-2K3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Mouse,Rat
Immunogen Description	Recombinant protein of mouse NMDAR2A
Conjugates	Unconjugated
Modification	Unmodification
Other Names	NR2A; GluN2A; NMDAR2A; GluRepsilon1
Accession No.	Swiss-Prot:P35436GenelD:
Uniprot	P35436
Calculated MW	Calculated MW: 165 kDa; Observed MW: 165 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of NMDAR2A in mouse lung cell lysates using NMDAR2A Rabbit mAb(1:1000 diluted).Predicted band size:165kDa.Observed band size:165kDa.

Background

Swiss-Prot Acc.P35436.Component of NMDA receptor complexes that function as heterotetrameric, ligand-gated ion channels with high calcium

permeability and voltage-dependent sensitivity to magnesium (PubMed:1374164). 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 (PubMed:7816096, PubMed:8987814).

Note: This product is for in vitro research use only