

Summary

Production Name	NMDAR1 (5R10) Rabbit Monoclonal Antibody	
Description	Rabbit Monoclonal Antibody	
Host	Rabbit	
Application	WB	
Reactivity	Human, Mouse, Rat	

Performance

Conjugation	Unconjugated
Modification	Unmodified
lsotype	lgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	GRIN1
Alternative Names	GluN1; NMD-R1; GRIN1; NMDAR1
Gene ID	2902.0
SwissProt ID	Q05586.A synthetic peptide of human NMDAR1

Application

Dilution Ratio	WB: 1:2000
Molecular Weight	105kDa

Background

Product Name: NMDAR1 (5R10) Rabbit Monoclonal Antibody Catalog #: AMRe14756



N-methyl-D-aspartate receptor (NMDAR) forms a heterodimer of at least one NR1 and one NR2A-D subunit. 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. 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+) (PubMed:7685113, PubMed:28126851, PubMed:26919761, PubMed:26919761, PubMed:26875626, PubMed:28105280, Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:28105280, Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:26919761, Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:26919761, Sensitivity to glutamate and channel kinetics depend on the subunit composition (PubMed:26919761, Sensitivity to glutamate and channel

Research Area

Image Data



Western blot detection of NMDAR1 in Rat brain, Jurkat cell lysates using NMDAR1 antibody(1:1000 diluted).

Note

For research use only.