

Recombinant**DGRmAb®****NMDAR2A (DGR11450) Rabbit mAb (PBS Only)****db12123-PBS****Package : 100µg****Product Name :** NMDAR2A (DGR11450) Rabbit mAb (PBS Only)**Cat.No.:** db12123-PBS**Synonyms :** NR2A; GluN2A; NMDAR2A**Application :** WB**Reactivity :** Mouse,Rat**Host species :** Rabbit**Background**

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 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 (By similarity). Contributes to the slow phase of excitatory postsynaptic current, long-term synaptic potentiation, and learning (PubMed:7816096, PubMed:8987814).

Immunogen

Recombinant protein of mouse NMDAR2A

Gene ID

14811

Swiss Prot

P35436

Synonyms

NR2A; GluN2A; NMDAR2A

Reactivity

Mouse,Rat

Application

WB

Calculated MW

165 kDa

Observed MW

165 kDa

Host species

Rabbit

Clonality

Monoclonal

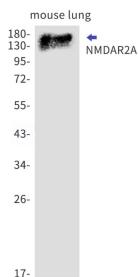
Clonality No.

DGR11450

Isotype

IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of NMDAR2A in mouse lung cell lysates using NMDAR2A antibody(1:1000 diluted).