

Recombinant

DGRmAb®

## NMDAR2A (DGR11450) Rabbit mAb

db12123

Package : 10µL 20µL 50µL 100µL

**Product Name** : NMDAR2A (DGR11450) Rabbit mAb**Cat.No.:** db12123**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 Mg<sup>2+</sup>. 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

**Recommended dilution**

WB: 1:1000

**Calculated MW**

165 kDa

**Observed MW**

165 kDa

**Host species**

Rabbit

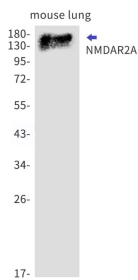
**Clonality**

Monoclonal

**Clonality No.**

DGR11450

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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