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NMDAR2A Rabbit mAb

Catalog No.: A19089   `Recombinant`   `6 Publications`

Basic Information

Observed MW
180kDa

Calculated MW
165kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Mouse,Rat

CloneNo number
ARC0410

Background

This gene encodes a member of the glutamate-gated ion channel protein family. The encoded protein is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. These receptors are permeable to calcium ions, and activation results in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades. Disruption of this gene is associated with focal epilepsy and speech disorder with or without cognitive disability. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB   1:500 - 1:1000

Immunogen Information

Gene ID
2903

Swiss Prot
Q12879

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 1300-1400 of human NMDAR2A (Q12879).

Synonyms
LKS; EPND; FESD; NR2A; GluN2A; NMDAR2A

Contact

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Product Information

Source   **Isotype**   **Purification**
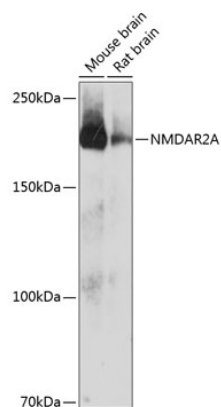Rabbit   IgG   Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of various cell lines, using NMDAR2A antibody (A19089) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.