# NMDAR2A Rabbit mAb

Catalog No.: A19089 Recombinant 7 Publications



## **Basic Information**

### **Observed MW**

180kDa

#### **Calculated MW**

165kDa

### Category

Primary 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** 1:1000 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID Swiss Prot** 2903 Q12879

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

LKS; EPND; FESD; NR2A; GluN2A; NMDAR2A

## **Contact**

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## **Product Information**

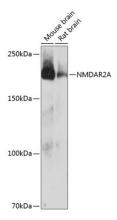
Source Isotype **Purification** Rabbit IgG Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**



Western blot analysis of various lysates using NMDAR2A Rabbit mAb (A19089) at 1:1000 dilution. Secondary antibody: HRP-conjugated 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.