

# NMDAR2A Rabbit mAb

Catalog No.: A19089

Recombinant

6 Publications

## Basic Information

**Observed MW**

180kDa

**Calculated MW**

165kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**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**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

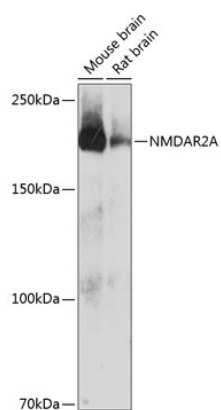
**Storage**

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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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.