

# Phospho-GRIN2B-Y1474 Rabbit Polyclonal Antibody

## CABP0771



### Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

190kDa

**Calculated MW:**

166kDa

**Applications:**

WB

**Reactivity:**

Human, Mouse, Rat

### Protein Background

N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain.

### Immunogen information

**Gene ID:**

2904

**Uniprot**

Q13224

**Synonyms:**

GRIN2B; EIEE27; GluN2B; MRD6; NMDAR2B; NR2B; hNR3

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

**Immunogen:**

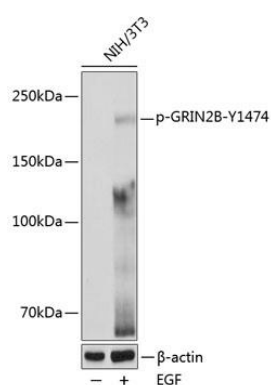
A synthetic phosphorylated peptide around Y1474 of human GRIN2B (NP\_000825.2).

**Storage:**

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using Phospho-GRIN2B-Y1474 pAb (CABP0771) at 1:1000 dilution. NIH/3T3 cells were treated by EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.