

# Phospho-Camk2a-T286 Rabbit Polyclonal Antibody

## CABP0255



### Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

54kDa

**Calculated MW:**

22kDa/54kDa

**Applications:**

WB

**Reactivity:**

Human, Mouse, Rat

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

### Protein Background

The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene.

### Immunogen information

**Gene ID:**

815

**Uniprot**

Q9UQM7

**Synonyms:**

CAMK2A; CAMKA

**Immunogen:**

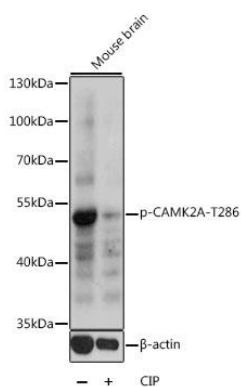
A phospho specific peptide corresponding to residues surrounding T286 of human Camk2a

**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 mouse brain, using Phospho-CAMK2A-T286 antibody (CABP0255) at 1:1000 dilution. Mouse brain cell lysates were treated by CIP at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.