

# Phospho-Camk2-T286 Rabbit pAb

Catalog No.: AP0255

12 Publications

## Basic Information

**Observed MW**

50kDa

**Calculated MW**

54kDa

**Category**

Primary antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

## 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. Several transcript variants encoding distinct isoforms have been identified for this gene.

## Recommended Dilutions

**WB** 1:2000 - 1:4000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

816/817/818/815

**Swiss Prot**

Q13554/Q13557/Q13555/Q9UQM7

**Immunogen**

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

**Synonyms**

CAMKA; MRD53; MRT63; CaMKIIalpha; CaMKIINalpha; CAM2; CAMK2; CAMKB; MRD54; CaMKIIbeta; CAMKD; CAMK; CAMKG; MRD59; CAMK-II; Phospho-Camk2-T286

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

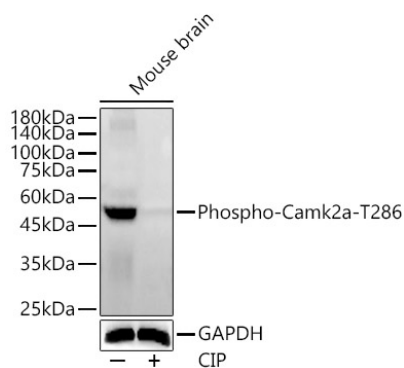
Affinity purification

**Storage**

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

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

## Validation Data



Western blot analysis of lysates from Mouse brain, using Phospho-Camk2-T286 Rabbit pAb (AP0255) at 1:4000 dilution. Mouse brain cells were treated by CIP(20uL/400ul) at 37°C for 1 hour.

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 Basic Kit (RM00020).

Exposure time: 30s.