

# Phospho-PKC alpha-T638 + PKC beta II-T641 Rabbit mAb

Catalog No.: AP1375 **Recombinant**

## Basic Information

**Observed MW**

80kDa

**Calculated MW**

76kDa/77kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Human

**CloneNo number**

ARC58024

## Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

## Recommended Dilutions

WB 1:2000 - 1:7000

## Immunogen Information

**Gene ID**

5578/5579

**Swiss Prot**

P17252/P05771

**Immunogen**

A synthetic phosphorylated peptide around T638 of human PRKCA (NP\_002728.2).

**Synonyms**

PKC-beta; PKCB; PRKCB1; PRKCB2; Phospho-PKC alpha-T638 + PKC beta II-T641

## 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

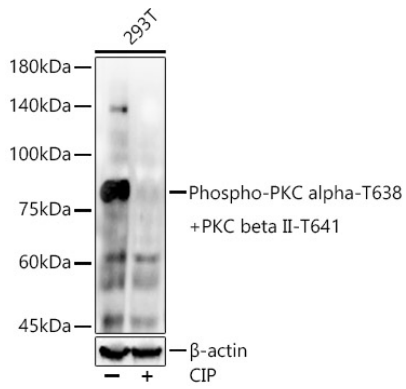
**Storage**

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

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

---



Western blot analysis of extracts from 293T cells, using Phospho-PKC alpha-T638 + PKC beta II-T641 Rabbit mAb (AP1375) at 1:6000 dilution. 293T cells were treated by CIP (20 $\mu$ L/400 $\mu$ L) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.