# Phospho-PKC mu-S744/748 Rabbit pAb

**Catalog NO.: AP0534**

## Basic Information

### Observed MW
102kDa

### Calculated MW
102kDa

### Category
Phosphorylated Antibodies

### Applications
WB, ELISA

### Cross-Reactivity
Human, Mouse, Rat

### Conjugation
Unconjugated

## Background

The protein encoded by this gene is a serine/threonine protein kinase involved in many cellular processes, including Golgi body membrane integrity and transport, cell migration and differentiation, MAPK8/JNK1 and Ras pathway signaling, MAPK1/3 (ERK1/2) pathway signaling, cell survival, and regulation of cell shape and adhesion.

## Recommended Dilutions

**WB** 1:500 - 1:2000

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
5587

### Swiss Prot
Q15139

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

### Synonyms
PKD; PKCM; CHDED; PRKCM; PKC-MU; Phospho-PKC mu-S744/748

## Contact

## Product Information

☒ | order@abclonal.com
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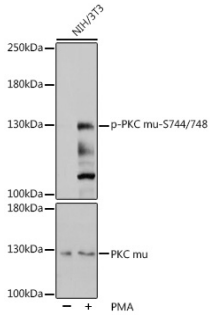
**Source**
Rabbit

**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 NIH/3T3 cells, using Phospho-PKC mu-S744/748 pAb (AP0534) at 1:1000 dilution or PRKD1 antibody (A16185). NIH/3T3 cells were treated with PMA/TPA (200nM) for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.

For research use only. Not for therapeutic or diagnostic purposes.

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