

Phospho-PRKCQ-T538 Rabbit pAb

Catalog No.: AP0798

Basic Information

Observed MW

98kDa

Calculated MW

82kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human

Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the 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. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell activation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors.

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

5588

Swiss Prot

Q04759

Immunogen

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

Synonyms

PRKCT; nPKC-theta; Phospho-PRKCQ-T538

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

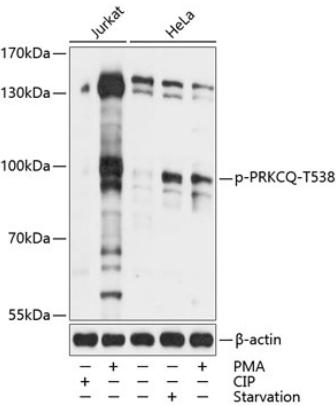
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Jurkat and HeLa cells, using Phospho-PRKCQ-T538 Rabbit pAb (AP0798) at 1:2000 dilution. Jurkat cells were treated with PMA/TPA (200nM) for 10 minutes. HeLa cells were treated with serum-starvation overnight or treated with PMA/TPA (200nM) for 15 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: 30s.