

Phospho-PKC zeta-T560 Rabbit mAb

Catalog No.: AP1149 **Recombinant**

Basic Information

Observed MW

76kDa

Calculated MW

68kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Rat

CloneNo number

ARC1617

Background

Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC. Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

5590

Swiss Prot

Q05513

Immunogen

A synthetic phosphorylated peptide around T560 of human PKC zeta (Q05513).

Synonyms

PKC2; PKC-ZETA; Phospho-PKC zeta-T560

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

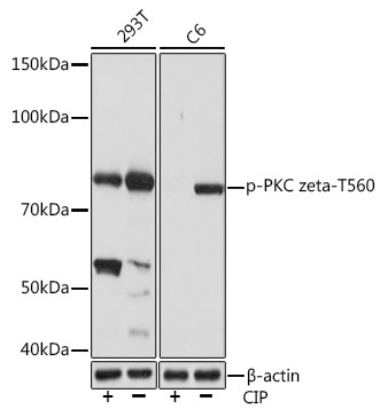
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Phospho-PKC zeta-T560 Rabbit mAb (AP1149) at 1:1000 dilution. Both 293T cells and C6 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP 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: 3s.