

Product datasheet for TA342147

PKC beta 1 (PRKCB) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WE

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-PRKCB1 antibody: synthetic peptide directed towards the N terminal

of human PRKCB1. Synthetic peptide located within the following region:

CFVVHKRCHEFVTFSCPGADKGPASDDPRSKHKFKIHTYSSPTFCDHCGS

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 77 kDa

Gene Name: protein kinase C beta

Database Link: NP 002729

Entrez Gene 5579 Human

P05771



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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. [provided by RefSeq, Jul 2008]

Synonyms: PKC-beta; PKCB; PRKCB1; PRKCB2

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse:

100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Horse: 77%

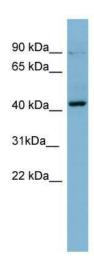
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: B cell receptor signaling pathway, Calcium signaling pathway, Chemokine signaling pathway,

ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, Leukocyte transendothelial migration, Long-term depression, Long-term potentiation, MAPK signaling pathway,

Melanogenesis, Natural killer cell mediated cytotoxicity, Non-small cell lung cancer, Pathways in cancer, Phosphatidylinositol signaling system, Tight junction, Vascular smooth muscle contraction, VEGF signaling pathway, Vibrio cholerae infection, Wnt signaling pathway

Product images:



WB Suggested Anti-PRKCB1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: NCI-H226 cell lysate