Datasheet for ABIN391006
anti-PKC delta antibody ( N -Term)
2 Images


Overview

| Quantity: | $400 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | PKC delta (PKCd) |
| Binding Specificity: | AA 298-326, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PKC delta antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| Immunogen: | This PKC delta antibody is generated from rabbits immunized with a KLH conjugated synthetic <br> peptide between 298-326 amino acids from the N-terminal region of human PKC delta. |
| :--- | :--- |
| Clone: | RB1013 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by <br> dialysis against PBS. |
| Target Details | PKC delta (PKCd) |
| Target: | PKC delta (PKCd Products) |

## Target Details

| 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. PKC delta is one of the PKC family members, and may play a role in antigen-dependent control of B-cell function. |
| :---: | :---: |
| Molecular Weight: | 77505 |
| Gene ID: | 5580 |
| NCBI Accession: | NP_006245, NP_997704 |
| UniProt: | Q05655 |
| Pathways: | Interferon-gamma Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Regulation of Actin Filament Polymerization, Carbohydrate Homeostasis, Myometrial Relaxation and Contraction, M Phase, G-protein mediated Events, Dicarboxylic Acid Transport, Positive Regulation of Response to DNA Damage Stimulus, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor Signaling, Lipid Metabolism |
| Application Details |  |
| Application Notes: | WB: 1:1000. IHC-P: 1:50~100 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with $0.09 \%$ (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | $4^{\circ} \mathrm{C},-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Maintain refrigerated at $2-8^{\circ} \mathrm{C}$ for up to 6 months. For long term storage store at $-20^{\circ} \mathrm{C}$ in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



## Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. $\mathrm{BC}=$ breast carcinoma, $\mathrm{HC}=$ hepatocarcinoma.

## Western Blotting

Image 2. Western blot analysis of PKC delta (arrow) using rabbit polyclonal PKC delta Antibody (N-term) (ABIN391006 and ABIN2841179). 293 cell lysates ( $2 \mu \mathrm{~g} /$ lane) either nontransfected (Lane 1) or transiently transfected with the PRKCD gene (Lane 2) (Origene Technologies).

