

Datasheet for ABIN7269633
anti-PKC delta antibody (pTyr311)



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1 Image

Overview

Quantity:	100 µL
Target:	PKC delta (PKCd)
Binding Specificity:	pTyr311
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC delta antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-PKC delta-Y311 Rabbit pAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding Y311 of human PKC delta
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	PKC delta (PKCd)
Alternative Name:	PRKCD (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 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 distinct roles in cells. The protein encoded by this gene is one of the PKC family members. Studies both in human and mice demonstrate that this kinase is involved in B cell signaling and in the regulation of growth, apoptosis, and differentiation of a variety of cell types. Alternatively spliced transcript variants encoding the same protein have been observed.,PRKCD,ALPS3,CVID9,MAY1,PKCD,nPKC-delta,PKCδ,Cancer,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Serine/threonine kinases,Phospholipase Signaling Pathway,Protein Kinase C Signaling Pathway,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,TGF-β-Smad Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,Neuroscience,Protein phosphorylation,PRKCD
Molecular Weight:	77kDa/80kDa
Gene ID:	5580
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,1:500 - 1:2000
Restrictions:	For Research Use only

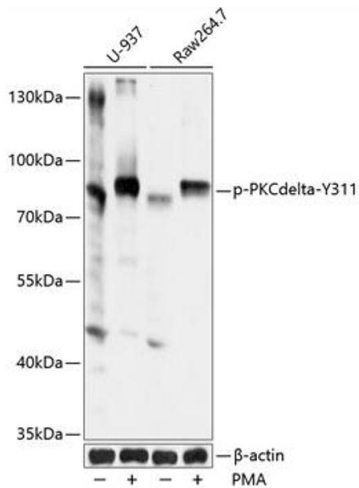
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

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

Images



Western Blotting

Image 1. Western blot analysis of extracts of U937 and Raw264.7 cells, using Phospho-PKC delta-Y311 antibody (ABIN7269633) at 1:1000 dilution. U-937 cells were treated by PMA/TPA (200nM) for 30 minutes. RAW 264.7 cells were treated by PMA (200 nM) for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.