

Datasheet for ABIN7139036 anti-PKC delta antibody (pTyr64)





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Overview		
Quantity:	100 μL	
Target:	PKC delta (PKCd)	
Binding Specificity:	pTyr64	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PKC delta antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA	
Product Details		
Immunogen:	Peptide sequence around phosphorylation site of Tyrosine 64 (H-I-Y(p)-E-G) derived from	
	Human PKCD.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH	
	conjugates. Antibodies were purified by affinity-chromatography using epitope-specific	
	phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi	
Target Details		
Target:	PKC delta (PKCd)	
Alternative Name:	PRKCD (PKCd Products)	

Target Details

Background:

Background:

Calcium-independent, phospholipid- and diacylglycerol (DAG)-dependent serine/threonine-protein kinase that plays contrasting roles in cell death and cell survival by functioning as a proapoptotic protein during DNA damage-induced apoptosis, but acting as an anti-apoptotic protein during cytokine receptor-initiated cell death, is involved in tumor suppression as well as survival of several cancers, is required for oxygen radical production by NADPH oxidase and acts as positive or negative regulator in platelet functional responses.

Wie SM, et al. (2014) J Biol Chem. Adwan TS, et al. (2011) J Biol Chem 286, 35716-24. Lomonaco SL, et al. (2008) J Biol Chem 283, 17731-9.

Aliases: CVID9 antibody, D14Ertd420e antibody, Kinase PKC delta antibody, KPCD antibody, KPCD_HUMAN antibody, MAY 1 antibody, MAY1 antibody, MGC49908 antibody, nPKC delta antibody, nPKC-delta antibody, PCKd antibody, PKC d antibody, PKC delta antibody, PKCD antibody, PKCdelta antibody, PRKC D antibody, PRKC delta antibody, Protein Kinase C delta antibody, Protein kinase C delta VIII antibody, Protein Kinase Cdelta antibody, Tyrosine protein kinase PRKCD antibody

UniProt:

Q05655

WB:1:500-1:1000.

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:

Precaution of Use:

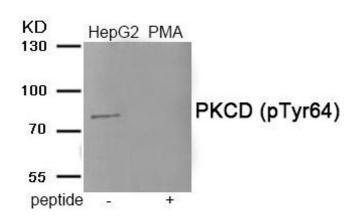
Application Notes.	VID.1.000 1.1000;
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells treated with PMA using Phospho-PKCD (Tyr64) antibody. The lane on the right is treated with the antigenspecific peptide.