

Datasheet for ABIN7251241
anti-PKC zeta antibody



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1 Image

Overview

Quantity:	200 µL
Target:	PKC zeta (PRKCZ)
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC zeta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized peptide derived from human PKC zeta around the non-phosphorylation site of Thr560.
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	PKC zeta (PRKCZ)
Alternative Name:	PKC zeta (PRKCZ Products)
Background:	This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Phosphorylates 'Ser-311' of RELA subunit of NF-kappa-B. PKC is activated by diacylglycerol

Target Details

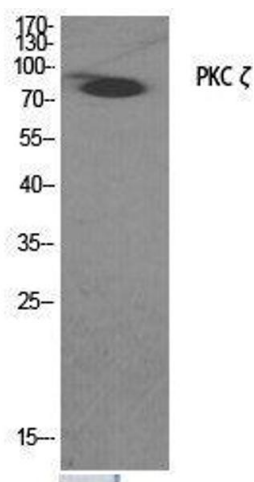
	which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters. Subunit of a quaternary complex that plays a central role in epithelial cell polarization.
Molecular Weight:	Observed_MW: 80 kDa Calculated_MW: 68 kDa
UniProt:	Q05513
Pathways:	NF-kappaB Signaling , RTK Signaling , Myometrial Relaxation and Contraction , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Synaptic Membrane , Production of Molecular Mediator of Immune Response , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:100-1:300, IF 1:200-1:1000, ELISA 1:5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
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.



Western Blotting

Image 1. Western Blot analysis of COS7 cells treated with PMA (125 ng/mL, 30 mins) minus immunising peptide using PKC zeta Polyclonal Antibody at dilution of 1:2000.