

Datasheet for ABIN711716
anti-PKC theta antibody (pSer676)



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Overview

Quantity:	100 µL
Target:	PKC theta (PRKCQ)
Binding Specificity:	pSer676
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC theta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PRKCQ around the phosphorylation site of Ser676
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PKC theta (PRKCQ)
Alternative Name:	PRKCQ (PRKCQ Products)

Target Details

Background:	Synonyms: PRKCQphospho S676, PKCSer676, PKC thetaphospho S676, PKC 0, PRKCQ, PKC0, Prkcq, PRKCT, Protein kinase C theta, Protein kinase C theta type, Protein Kinase Ctheta, KPCT_HUMAN, nPKC theta, nPKC-theta, nPKCtheta. Background: This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Essential for T-cell receptor (TCR)-mediated T-cell activation, but is dispensable during TCR-dependent thymocyte development. Links the TCR signaling complex to the activation of NF-kappa-B in mature T lymphocytes. Required for interleukin-2 (IL2) production. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.
Gene ID:	5588
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months