Datasheet for ABIN7138681

anti-PKC theta antibody (pSer695)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	PKC theta (PRKCQ)
Binding Specificity:	pSer695
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC theta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 695 (N-F-S(p)-F-M) derived from Human PKCth.
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 theta (PRKCQ)
Alternative Name:	PRKCQ (PRKCQ Products)

Target Details

Background:	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. Xu ZB, et al.(2004) J Biol Chem 279:50401-50409 Thebault S, et al. (2004) Mol Immunol 40: 931-942 Aliases: KPCT_HUMAN antibody, MGC126514 antibody, MGC141919 antibody, nPKC theta antibody, nPKC-theta antibody, nPKCtheta antibody, OTTHUMP00000043364 antibody, OTTHUMP00000043365 antibody, PKC 0 antibody, PKC0 antibody, Prkcq antibody, PRKCT antibody, Protein kinase C theta antibody, Protein kinase C theta type antibody, Protein Kinase Ctheta antibody
UniProt:	Q04759
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:1:500-1:1000, IHC:1:50-1:100,
Restrictions:	For Research Use only

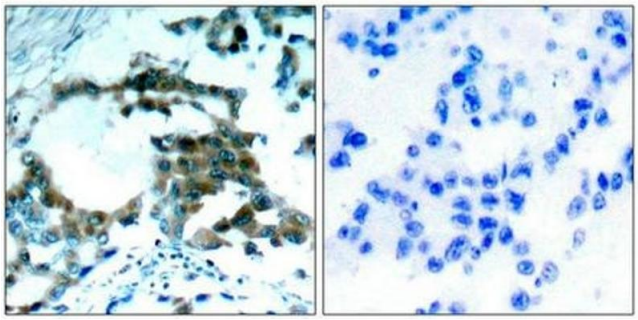
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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,-80 °C

Handling

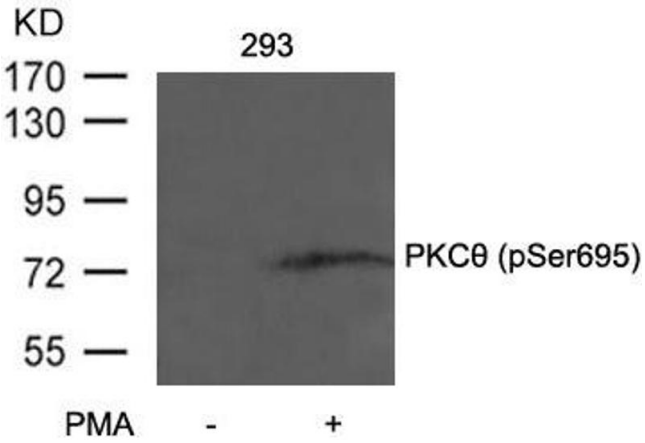
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCth(Phospho-Ser695) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from 293 cells untreated or treated with PMA using PKCth(Phospho-Ser695) Antibody.