.-online.com antibodies

Datasheet for ABIN7138678 anti-PKC theta antibody (pSer676)

4 Images



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), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 676 (R-L-S(p)-F-A) derived from Human PKCth.
Isotype:	lgG
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)

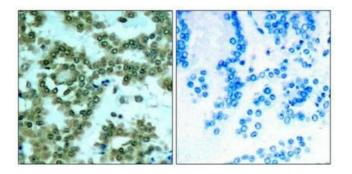
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7138678 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

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.
	Kristof Van Kolen, et al. (2006) FEBS J , 273: 1843 - 1854.
	Martin Villalba, et al. (2002) J. Cell Biol , 157: 253.
	Jie Zhang, et al. (2004) J. Biol. Chem , 279: 22118 - 22123.
	Castro AF, et al. (1998) Am J Physiol Cell Physiol, 275: C113 - C119.
	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, IF:1:100-1:200,
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

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7138678 | 09/10/2023 | Copyright antibodies-online. All rights reserved. Storage Comment:

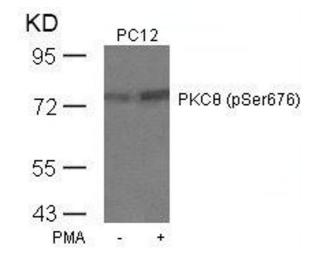
Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



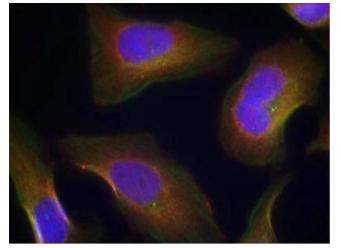
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded human lung carcinoma tissue using PKCth(Phospho-Ser676) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from PC12 cells untreated or treated with PMA using PKCth(Phospho-Ser676) Antibody.



Immunofluorescence

Image 3. Immunofluorescence staining of methanol-fixed Hela cells using PKCth(Phospho-Ser676) Antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN7138678.

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