

PKC 0 Polyclonal Antibody

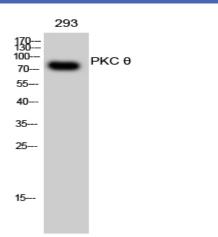
Catalog No :	YT3767
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	ΡΚϹ θ
Fields :	>>NF-kappa B signaling pathway;>>Autophagy - animal;>>Vascular smooth muscle contraction;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>Inflammatory mediator regulation of TRP channels;>>Adipocytokine signaling pathway;>>Insulin resistance;>>Shigellosis;>>PD-L1 expression and PD-1 checkpoint pathway in cancer
Gene Name :	PRKCQ
Protein Name :	Protein kinase C theta type
Human Gene Id :	5588
Human Swiss Prot	Q04759
No : Mouse Gene Id :	18761
Mouse Swiss Prot	Q02111
No : Rat Swiss Prot No :	Q9WTQ0
Immunogen :	The antiserum was produced against synthesized peptide derived from human PKC thet. AA range:504-553
Specificity :	PKC θ Polyclonal Antibody detects endogenous levels of PKC θ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG



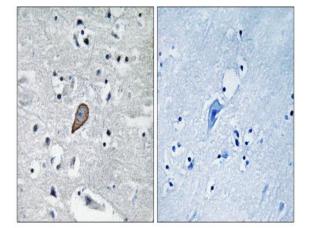
Best Tools for immunology Research	
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000 IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Ctorero Ctobility	15° C to 25° C (1 year/Do not lower than 25° C)
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	78kD
Observed band.	TORD
Coll Dathway	Regulation_Microtubule; Regulation of Actin Dynamics; Stem cell pathway;
Cell Pathway :	Insulin Receptor; NF_kappaB; B Cell Receptor; AMPK
Background :	Protein kinase C (PKC) is a family of serine- and threonine-specific protein
J	kinases that can be activated by calcium and the second messenger
	diacylglycerol. PKC family members phosphorylate a wide variety of protein
	targets and are known to be involved in diverse cellular signaling pathways. PKC
	family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and
	is believed to play a distinct role. The protein encoded by this gene is one of the
	PKC family members. It is a calcium-independent and phospholipid-dependent
	protein kinase. This kinase is important for T-cell activation. It is required for the
	activation of the transcription factors NF-kappaB and AP-1, and may link the T
	cell receptor (TCR) signaling complex to the activation of the transcription factors.
	[provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + a protein = ADP + a
Function:	phosphoprotein.,cofactor:Magnesium.,domain:The C1 domain, containing the
	phorbol ester/DAG-type region 1 (C1A) and 2 (C1B), is the diacylglycerol sensor
	and the C2 domain is a non-calcium binding domain.,enzyme regulation:Three
	specific sites; Thr-538 (activation loop of the kinase domain), Ser-676 (turn motif)
	and Ser-695 (hydrophobic region), need to be phosphorylated for its full
	activation.,function: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., function: 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 activ
Subcellular	Cytoplasm. Cell membrane; Peripheral membrane protein. In resting T-cells,
Location :	mostly localized in cytoplasm. In response to TCR stimulation, associates with
	lipid rafts and then localizes in the immunological synapse.
Expression :	Expressed in skeletal muscle, T-cells, megakaryoblastic cells and platelets.
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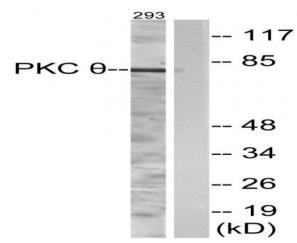




Western Blot analysis of 293 cells using PKC θ Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain carcinoma tissue, using PKC thet Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using PKC thet Antibody. The lane on the right is blocked with the synthesized peptide.