



PKC θ Monoclonal Antibody

PKC thet. AA range:504-553 Specificity PKC θ Monoclonal Antibody detects endogenous levels of PKC θ protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, lgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms PRKCQ; PRKCT; Protein kinase C theta type; nPKC-theta Observed Band 78kD Cell Pathway Cytoplasm. Cell membrane; Peripheral membrane protein. In resting T-cells,		
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	Function	catalytic activity:ATP + a protein = ADP + a

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enzyme. Essential for T-cell receptor (TCR)-mediated T-cell activation,	
dispensable during TCR-dependent thymocyte development. Links the	TCR
signaling complex to the activ	

Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein 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-kapMAB 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],

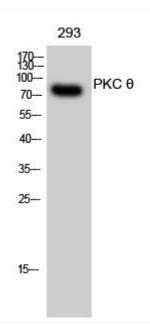
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PKC $\ ^\theta$ Monoclonal Antibody

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