Data Sheet (Cat.No.TMAC-03327)

Anti-Phospho-PRKCQ (Thr538) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 81 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Applications

Application:	WB,IHC-P,IF(paraffin section),ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-300; ELISA: 1:5000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human PKC thet around the phosphorylation site of Thr538. AA range:504-553
Antigen Species:	human
Uniprot ID:	Q04759
Synonyms:	PRKCQ (p-Thr538);PRKCQ (p-T538);p-PRKCQ (T538);p-PRKCQ (Thr538)

Research Background

protein kinase C theta(PRKCQ) Homo sapiens 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-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],

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