

PKC theta(Phospho Thr538) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13108
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PKC theta around the phosphorylation site of Thr538. AA range:504-553
Mol wt	81865
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Protein kinase C theta type
Synonyms	Protein kinase C theta type; PRKCQ; PRKCT; Protein kinase C theta type; nPKC-theta

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors.

Recommended Dilution

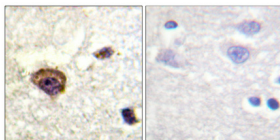
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

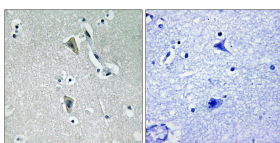
ELISA: 1: 5000

Not yet tested in other applications.

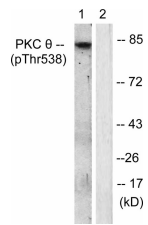
Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using PKC theta (Phospho-Thr538) Antibody. The picture on the right is blocked with the phospho peptide.



Storage

-20°C for 1 year

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