

PKC Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07209
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PKC alpha. AA range:623-672
Mol wt	76764
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	PKC alpha Antibody
Synonyms	PRKCA; PKCA; PRKACA; Protein kinase C alpha type; PKC-A; PKC-alpha

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 in cells. The protein encoded by PRKCA (protein kinase C alpha) is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes.

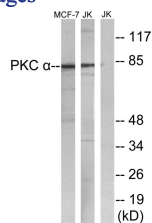
Recommended Dilution

WB: 1: 500 - 1: 2000

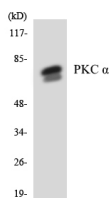
ELISA: 1: 5000

Not yet tested in other applications.

Images



Western blot analysis of lysates from Jurkat and MCF-7 cells, using PKC alpha Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using PKC alpha antibody.

Storage

-20°C for one year

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