

# PKC alpha/beta II(Phospho-Thr638/641) Rabbit Polyclonal Antibody

## Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP11959
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized phosho peptide around human PKC $\alpha$ (Thr638 and 641)
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	PKC alpha/beta II
<b>Synonyms</b>	PKC $\alpha$ / $\beta$ II ;Thr638/641; Protein kinase C alpha type; PKC-A; PKC-alpha; EC 2.7.11.13

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 this gene 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: 1000 - 1: 2000

Not yet tested in other applications.

## Images

No images.

## Storage

-20°C for 1 year