

# PKC alpha beta gamma Antibody FITC Conjugated

Catalog No: #C04767F

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## Description

Product Name	PKC alpha beta gamma Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	HuB MsB RtB B B
Immunogen Description	KLH conjugated synthetic peptide aa 180-237 672 derived from human PKC alpha
Conjugates	FITC
Target Name	PKC alpha beta gamma
Other Names	AAG6; PKCA; PRKACA; PKC-alpha; Protein kinase C alpha type; PKC-A; PRKCA
Accession No.	Swiss-Prot#P17252NCBI Gene ID5578
Uniprot	P17252
GeneID	5578;
Excitation Emission	494nm 518nm
Cell Localization	Cytoplasm, Nucleus, Mitochondrion, Cell membrane
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

IF=1:50-200B

## Background

Protein Kinase c alpha (PKC alpha) is an 77 kDa member of the conventional group (cPKCs: sensitive to calcium, diacylglycerol, phosphatidylserine and phorbol esters) of the PKC family of serine threonine kinases that are involved in a wide range of physiological processes including mitogenesis, cell survival and transcriptional regulation. PKC alpha is an ubiquitously expressed PKC isozyme that has been implicated in the regulation of a broad range of cellular functions including proliferation, differentiation, development, migration, cell cell adhesion, cell extracellular matrix adhesion, and solute transport. The activation loop threonine (threonine 497 in PKC alpha) of conventional PKCs is phosphorylated by phosphoinositide dependent kinase 1 (PDK1). This phosphorylation is necessary for the autophosphorylation of threonine 638 in the carboxy terminus of PKC alpha, a step that is critical for regulating the rate of PKC alpha dephosphorylation and inactivation.

Note: This product is for in vitro research use only