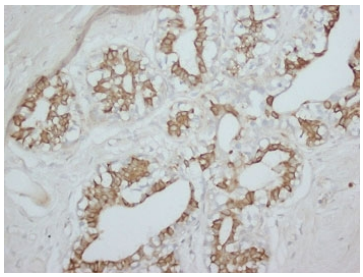
PKC alpha Antibody (R30246)

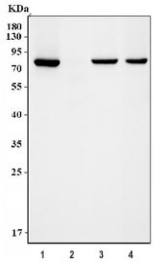
Catalog No.	Formulation	Size
R30246	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P17252
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml
Limitations	This PKC alpha antibody is available for research use only.



IHC staining of FFPE human breast cancer tissue with PKC alpha antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human U87-MG, 2) human HEL, 3) rat brain and 4) mouse brain tissue lysate with PKC alpha antibody. Predicted molecular weight ~77 kDa.

Description

Protein kinase C (PKC) is the major phorbol ester receptor. Activation of PKC by calcium ions and the second messenger diacylglycerol is though to play a central role in the induction of cellular responses to a variety of ligand-receptor systems and in the regulation of cellular responsiveness to external stimuli. Three of these, termed alpha, beta and gamma, are highly homologous. PRKCA1 is mapped to 17q22-q23.2. PKC-alpha regulates cardiac contractility and propensity toward heart failure.

Explore our PKC alpha Antibody for additional research into PRKCA expression and calcium-dependent signaling pathways.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PKC alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminal of human PKC alpha (100% homologous in human, mouse and rat).

Storage

After reconstitution, the PKC alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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