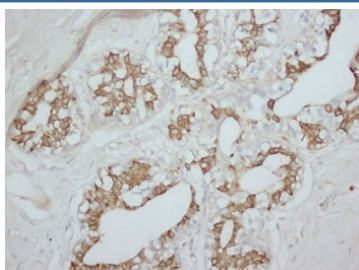


## PKC alpha Antibody (R30246)

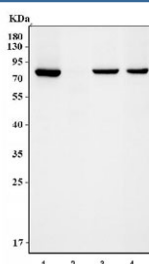
Catalog No.	Formulation	Size
R30246	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P17252
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	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 thought 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.

## 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.