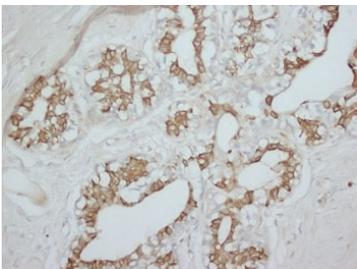


## PKC alpha Antibody (R30246)

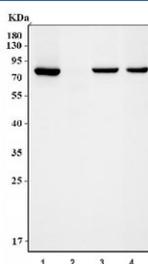
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R30246      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human, Mouse, Rat  |
| <b>Format</b>             | Antigen affinity purified  |
| <b>Host</b>               | Rabbit   |
| <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<br>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.