

Product datasheet

Recombinant human PKC alpha protein ab55672

2 Images

Overview

Product name Recombinant human PKC alpha protein
Protein length Full length protein

Description

Nature Recombinant
Source Baculovirus infected Sf9 cells
Amino Acid Sequence
Species Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab55672** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity Specific Activity 3333nmol/min/mg.
Applications Functional Studies
 Western blot
 SDS-PAGE
 Other
Form Liquid
Additional notes [ab204856](#) (CREB peptide) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
 Preservative: None
 Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
 This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function

This is a calcium-activated, phospholipid-dependent, serine- and threonine-specific enzyme. May play a role in cell motility by phosphorylating CSPG4. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

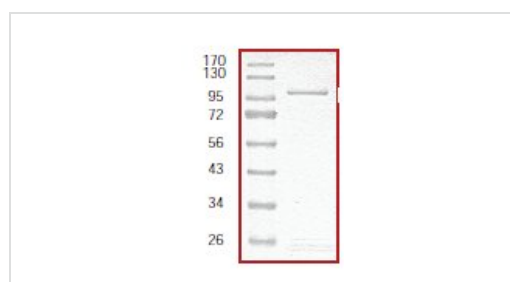
Sequence similarities

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 C2 domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain.

Cellular localization

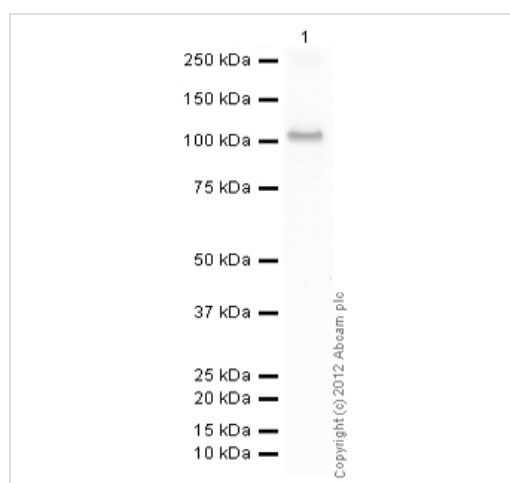
Cytoplasm. Cell membrane. Nucleus.

Images



SDS Page analysis of ab55672

SDS-PAGE - PKC alpha protein (Tagged) (ab55672)



Anti-PKC alpha antibody ([ab66181](#)) at 1 µg/ml
+ Recombinant human PKC alpha protein
(ab55672) at 0.01 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed
([ab97080](#)) at 1/5000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Western blot - Anti-PKC alpha antibody (

[ab66181](#)

)

Predicted band size : 77 kDa

Exposure time : 10 seconds

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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