abcam

Product datasheet

Recombinant human PKC eta protein ab60849

1 References 5 图像

描述

产品名称	重组人PKC eta蛋白
纯度	> 90 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
标签	GST tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab60849** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies SDS-PAGE
形式	Liquid
补充说明	**ab204875** (PKC epsilon peptide) can be utilized as a substrate for assessing kinase activity

制备和贮存

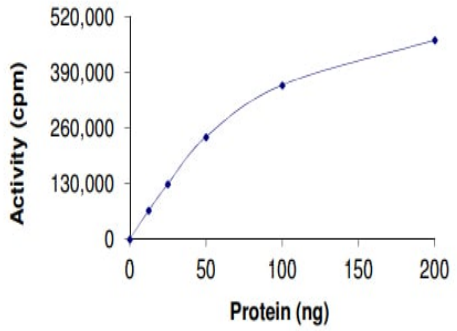
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能	This is calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme.

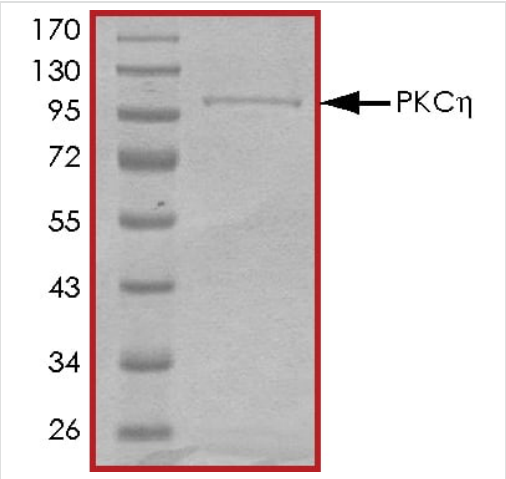
	PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.
组织特异性	Most abundant in lung, less in heart and skin.
疾病相关	Defects in PRKCH may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.
序列相似性	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.
结构域	The C1 domain, containing the phorbol ester/DAG-type region 1 (C1A) and 2 (C1B), is the diacylglycerol sensor and the C2 domain is a non-calcium binding domain.

图片



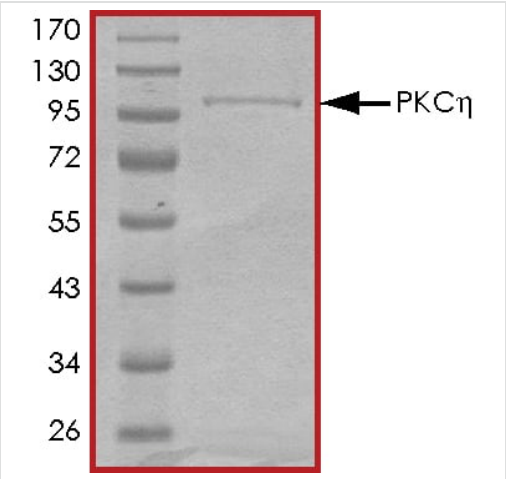
Functional Studies - Recombinant human PKC eta protein (ab60849)

The specific activity of PKC eta (ab60849) was determined to be 99 nmol/min/mg as per activity assay protocol



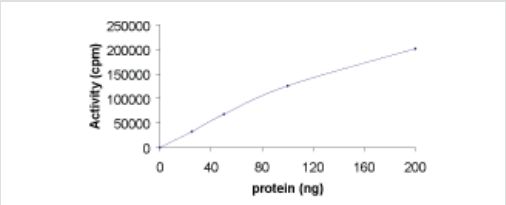
SDS-PAGE - Recombinant human PKC eta protein (ab60849)

SDS PAGE analysis of ab60849



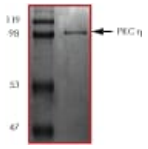
SDS-PAGE - Recombinant human PKC eta protein (ab60849)

SDS PAGE analysis of ab60849



Functional Studies - Recombinant human PKC eta protein (ab60849)

Sample Kinase Activity Plot.



SDS-PAGE - Recombinant human PKC eta protein (ab60849)

ab60849 on SDS-PAGE, MW ~103 kDa.

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