

Product datasheet

PKC delta overexpression 293T lysate (whole cell) ab94099

2 Images

Overview

Product name	PKC delta overexpression 293T lysate (whole cell)
General notes	ab94099 is a 293T cell transfected lysate in which Human PKC delta has been transiently over-expressed using a pCMV-PKC delta plasmid. The lysate is provided in 1X Sample Buffer.
Tested applications	Suitable for: WB

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.80 Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol
Background	<p>Function: 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. May play a role in antigen-dependent control of B-cell function. Phosphorylates MUC1 in the C-terminal and regulates the interaction between MUC1 and beta-catenin. Similarity: 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. Domain: The C1 domain, containing the phorbol ester/DAG-type region 1 (C1A) and 2 (C1B), is the diacylglycerol sensor. The C2 domain is a non-calcium binding domain. It binds proteins containing phosphotyrosine in a sequence-specific manner. PTM: Phosphorylated on Thr-507, within the activation loop. Autophosphorylated and/or phosphorylated. Although the Thr-507 phosphorylation occurs it is not a prerequisite for enzymatic activity.</p>

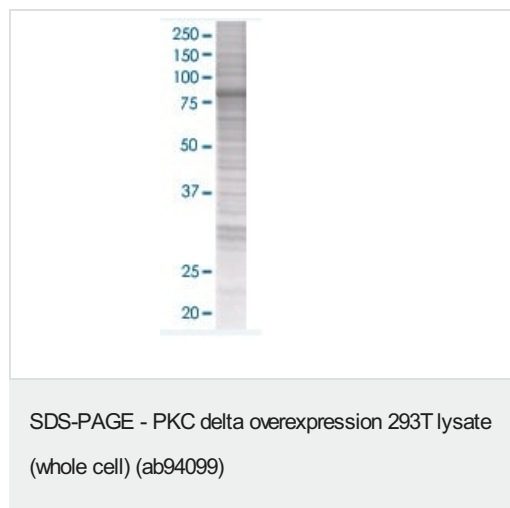
Applications

The Abpromise guarantee	Our <u>Abpromise guarantee</u> covers the use of ab94099 in the following tested applications.
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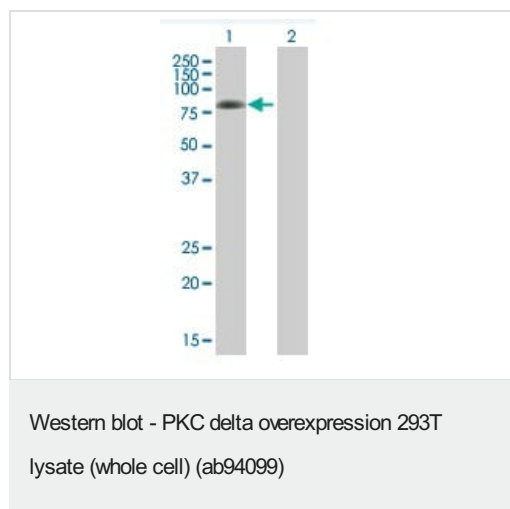
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

Images



ab94099 at 15µg/lane on an SDS-PAGE gel.



All lanes : Anti-PKC delta antibody ([ab57418](#)) at 1/500 dilution

Lane 1 : PKC delta overexpression 293T lysate (whole cell) (ab94099)

Lane 2 : 293T Non Transfected Lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

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