

For Research Use Only

Phospho-PKC Delta (Thr507) Polyclonal antibody

Catalog Number: 29564-1-AP



Basic Information

Catalog Number:

29564-1-AP

Size:

100ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC043350

GeneID (NCBI):

5580

UNIPROT ID:

Q05655

Full Name:

protein kinase C, delta

Calculated MW:

78 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : PMA treated THP-1 cells, THP-1 cells

Background Information

PKC Delta (PRKCD) is a member of the PKC family, a phospholipid-dependent family of serine/threonine kinases, and is present in human neutrophils. Novel PKCs (PRKCD, PRKCE, PRKCH and PRKCQ) are calcium-insensitive, but activated by diacylglycerol (DAG) and phosphatidylserine. Three specific sites; Thr-507 (activation loop of the kinase domain), Ser-645 (turn motif) and Ser-664 (hydrophobic region), need to be phosphorylated for its full activation. This antibody is equivalent to Thr505 in mice.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

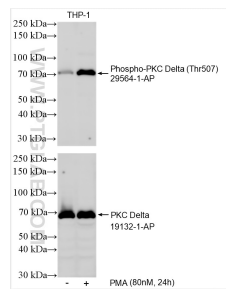
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated and PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 29564-1-AP (Phospho-PKC Delta (Thr507) antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with PKC Delta antibody (19132-1-AP) subsequently.