

For Research Use Only

# Phospho-PKC Delta (Thr507) Polyclonal antibody



Catalog Number: 29564-1-AP

## Basic Information

<b>Catalog Number:</b> 29564-1-AP	<b>GenBank Accession Number:</b> BC043350	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5580	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> protein kinase C, delta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 78 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : PMA treated THP-1 cells, THP-1 cells
<b>Species Specificity:</b> Human	

## 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.

## 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

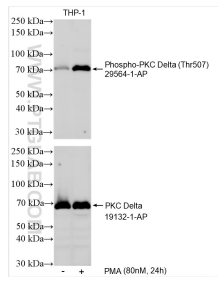
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## Selected Validation Data



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.