

# Phospho-PRKD1 (Ser916) Polyclonal antibody

Catalog Number: 28928-1-AP

2 Publications

## Basic Information

## Catalog Number:

28928-1-AP

## Size:

110 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## GenBank Accession Number:

NM\_001330069

## GeneID (NCBI):

5587

## UNIPROT ID:

Q15139

## Full Name:

protein kinase D1

## Calculated MW:

102 kDa

## Observed MW:

110 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

## Applications

## Tested Applications:

WB, ELISA

## Cited Applications:

WB

## Species Specificity:

Human, Mouse

## Cited Species:

rat

## Positive Controls:

WB: Insulin treated NIH/3T3 cells,

## Background Information

Protein kinase D1 (PRKD1), also named as PKD1 and PKC  $\mu$ , is comprised of two cysteine-rich domains and a pleckstrin homology (PH) domain. PKD1 is involved in cellular processes including protein secretion, proliferation, cytoskeletal reorganization, Golgi function, immune function and apoptosis. It is widely expressed in thyroid, brain, heart, lung and other tissues. PKCs have been shown to regulate PKD1 activation. It has been reported that ser 916 is a PKD1 autophosphorylation site. PKD1 can be activated by growth factors, oxidative stress, thrombin, bioactive lipids, cross-linking of B- and T-cell receptors and some G-protein coupled receptors (GPCR). PKD1 is located mainly in the cytoplasm in unstimulated cells, while PKD1 migrates to the membrane in activated cells. (PMID: 17306383, 24806360, 30101477, 21696630)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yao Liu	33359794	Food Chem Toxicol	WB
Jianpeng Chen	36525926	Biochem Biophys Res Commun	WB

## Storage

## Storage:

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

## Storage Buffer:

PBS with 0.1% sodium azide, 50% glycerol pH 7.3 and 0.05%BSA.

Aliquoting is unnecessary for -20°C storage

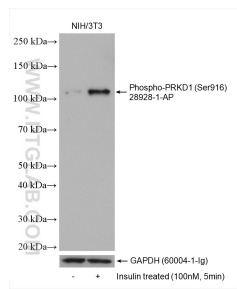
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Non-treated NIH/3T3 and Insulin treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 28928-1-AP (Phospho-PRKD1 (Ser916) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.