For Research Use Only

Phospho-PRKD1 (Ser916) Polyclonal antibody

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Catalog Number:28928-1-AP

2 Publications

Basic Information

Catalog Number:
28928-1-AP

Size:
100ul , Concentration: 110 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001330069

GeneID (NCBI):
5587

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 PKCμ, 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

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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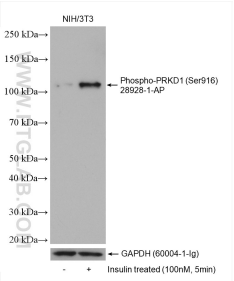
Selected Validation Data



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.