

For Research Use Only

# Phospho-PKN1 (Thr774) Polyclonal antibody

Catalog Number: 29107-1-AP



## Basic Information

Catalog Number:

29107-1-AP

Size:

100ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC040061

GeneID (NCBI):

5585

UNIPROT ID:

Q16512

Full Name:

protein kinase N1

Calculated MW:

942 aa, 104 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : PDGF treated NIH/3T3 cells,

## Background Information

PKN1 is a stress-responsive kinase and a member of the protein kinase novel (PKN) family also known as protein kinase C-related kinases (PRKs). PKN1 acting downstream of small GTP-binding proteins of the Rho/Rac family. The interaction of Rho with PKN1 induces a conformational change in PKN1 leading to activation loop phosphorylation by PDK1 on Thr774 in the case of human PKN1 (Thr778 in mouse/rat) which is necessary for the catalytic activation of PKN1/2 and critical for the stability of the protein. (PMID: 29045568, PMID: 21037231)

## Storage

Storage:

Store at -20°C.

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

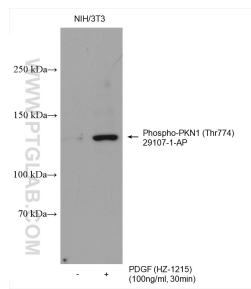
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## Selected Validation Data



Non-treated and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29107-1-AP (Phospho-PKN1 (Thr774) antibody) at dilution of 1:5000 incubated at room temperature for 1 hours.