

For Research Use Only

# Phospho-PKN1 (Thr774) Polyclonal antibody



Catalog Number: 29107-1-AP

## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>29107-1-AP                          | <b>GenBank Accession Number:</b><br>BC040061 | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>100ul , Concentration: 300 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>5585                | <b>Recommended Dilutions:</b><br>WB 1:2000-1:10000           |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>protein kinase N1       |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>942 aa, 104 kDa     |  |
|   | <b>Observed MW:</b><br>130 kDa               |  |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>WB, ELISA    | <b>Positive Controls:</b><br>WB : PDGF treated NIH/3T3 cells, |
| <b>Species Specificity:</b><br>Human, mouse |   |

## 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

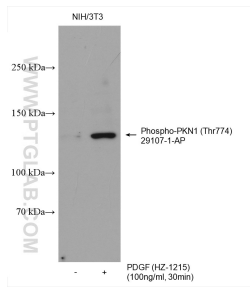
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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