

For Research Use Only

# Phospho-PKN1 (Thr774) Polyclonal antibody



Catalog Number: 29107-1-AP

## Basic Information

<b>Catalog Number:</b> 29107-1-AP	<b>GenBank Accession Number:</b> BC040061	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 5585	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16512	
<b>Isotype:</b> IgG	<b>Full Name:</b> protein kinase N1	
	<b>Calculated MW:</b> 942 aa, 104 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

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

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

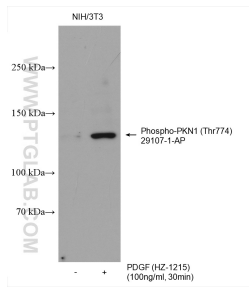
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## Selected Validation Data



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.