

For Research Use Only

# RHNO1 Polyclonal antibody

Catalog Number: 27977-1-AP



## Basic Information

<b>Catalog Number:</b> 27977-1-AP	<b>GenBank Accession Number:</b> BC005106	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 83695	<b>Recommended Dilutions:</b> IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> chromosome 12 open reading frame 32	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 238 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG14789	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IP, ELISA	<b>Positive Controls:</b> IP : mouse thymus tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

RHNO1 (Rad9-Hus1-Rad1 Interacting Nuclear Orphan 1) is a protein associated with the DNA replication stress (DRS) response and DNA repair. It interacts with the 9-1-1 checkpoint clamp and TopBP1 to activate the ATR/Chk1 signaling pathway, thereby maintaining genomic integrity. Additionally, RHNO1 has been identified as a key facilitator of theta-mediated end joining (TMEJ), a DNA repair mechanism related to cancer progression and chemotherapy resistance. In cancer research, RHNO1 is considered a potential therapeutic target due to its high expression in tumor cells and its regulatory role in cell proliferation and survival.

## Storage

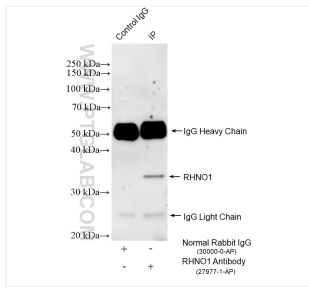
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



IP result of anti-RHNO1 (IP:27977-1-AP, 4ug;  
Detection:27977-1-AP 1:500) with mouse thymus  
tissue lysate 1320 ug.