

For Research Use Only

# FNIP1 Polyclonal antibody

Catalog Number: 28380-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 28380-1-AP	<b>GenBank Accession Number:</b> BC001956	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 96459	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> folliculin interacting protein 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 508 aa, 57 kDa	
<b>Immunogen Catalog Number:</b> AG28976	<b>Observed MW:</b> 130-150 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse liver tissue, rat liver tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

Folliculin-interacting protein 1 (FNIP1) forms a complex with the protein folliculin (FLCN), together acting as guanosine triphosphate (GTP)-activating protein (GAP) for RagC. The FNIP1-FLCN complex has emerged as an amino acid sensor to the mechanistic target of rapamycin complex 1 (mTORC1), involved in how amino acids control TFEB activation. AMPK phosphorylation of FNIP1 induces lysosomal and mitochondrial biogenesis (PMID: 37079666)

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenqian Zhang	37521275	Bioact Mater	WB

## Storage

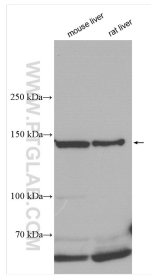
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28380-1-AP (FNI P1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.