

FNIP1 Polyclonal antibody

Catalog Number: 28380-1-AP

1 Publications

Basic Information

Catalog Number:

28380-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28976

GenBank Accession Number:

BC001956

GeneID (NCBI):

96459

UNIPROT ID:

Q8TF40

Full Name:

folliculin interacting protein 1

Calculated MW:

508 aa, 57 kDa

Observed MW:

130-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse liver tissue, rat liver tissue

IF/ICC : C2C12 cells,

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

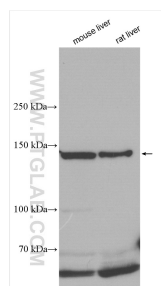
For technical support and original validation data for this product please contact:

T: 4006900926

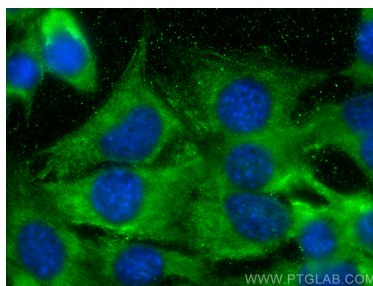
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28380-1-AP (FNIP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. .



Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using FNIP1 antibody (28380-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).