

For Research Use Only

# PACS2 Polyclonal antibody

Catalog Number: 30172-1-AP

Featured Product



## Basic Information

Catalog Number:

30172-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32902

GenBank Accession Number:

NM\_001100913

GeneID (NCBI):

23241

UNIPROT ID:

Q86VP3

Full Name:

phosphofurin acidic cluster sorting protein 2

Calculated MW:

98kd

Observed MW:

100-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IP, IF/ICC, ELISA

Species Specificity:

Human, Mouse

Positive Controls:

WB : HCT 116 cells, NIH/3T3 cells, HuH-7 cells

IP : HCT 116 cells,

IF/ICC : HCT 116 cells,

## Background Information

PACS2, also named PACS1L or KIAA0602, is one of PACS (phosphofurin acidic cluster sorting) proteins which are one such family of multifunctional membrane traffic regulators that mediate organ homeostasis and have important roles in diverse pathologies and disease states. PACS2 is a multifunctional sorting protein that controls the endoplasmic reticulum (ER)-mitochondria communication, ER homeostasis, and apoptosis. PACS2 may be involved in ion channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments.

## 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:

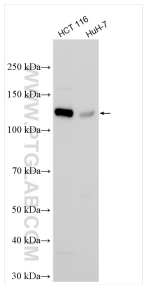
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

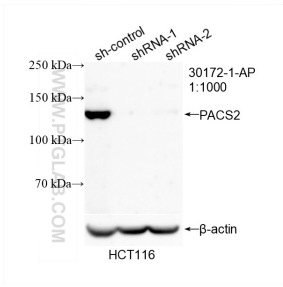
W: [ptgcn.com](http://ptgcn.com)

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

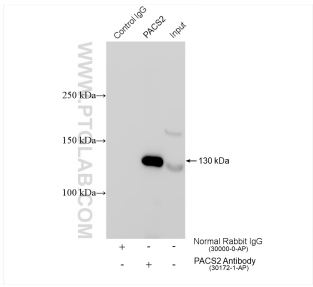
Selected Validation Data



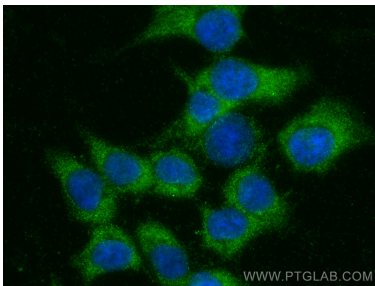
Various lysates were subjected to SDS PAGE followed by western blot with 30172-1-AP (PACS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of PACS2 antibody (30172-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PACS2 transfected HCT 116 cells.



IP result of anti-PACS2 (IP:30172-1-AP, 4ug; Detection:30172-1-AP 1:1500) with HCT 116 cells lysate 2440 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HCT 116 cells using PACS2 antibody (30172-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).