

For Research Use Only

# Cytohesin 2 Polyclonal antibody

Catalog Number: 10405-1-AP

Featured Product

4 Publications



## Basic Information

### Catalog Number:

10405-1-AP

### Size:

800 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0687

### GenBank Accession Number:

BC004361

### GeneID (NCBI):

9266

### UNIPROT ID:

Q99418

### Full Name:

cytohesin 2

### Calculated MW:

47 kDa

### Observed MW:

47 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

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

WB, IP, IF, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : mouse heart tissue,

IP : mouse heart tissue,

IHC : human colon tissue, human stomach tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Pleckstrin homology, Sec7 and coiled/coil domains 2 (PSCD2) is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. PSCD2 exhibits GEP activity in vitro with small G proteins ARF1, ARF3, and ARF6.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuqi Zhai	36168805	Open Biol	WB,IP
Hidenori Ito	34800437	J Biol Chem	WB,IHC
Jinbin Zhai	26085633	J Neurosci	WB, IF

## 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:

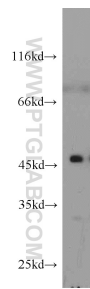
T: 4006900926

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

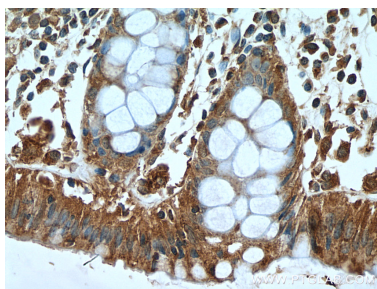
W: [ptgcn.com](http://ptgcn.com)

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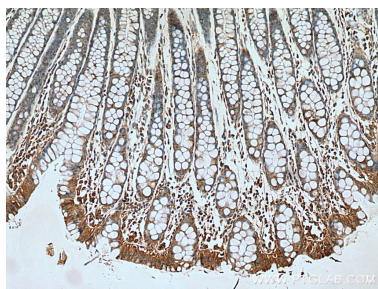
Selected Validation Data



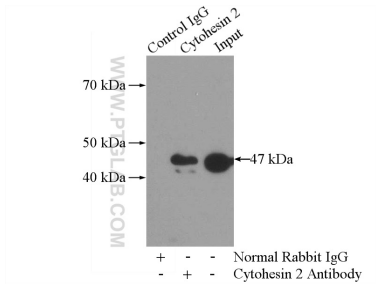
mouse heart tissue were subjected to SDS PAGE followed by western blot with 10405-1-AP (Cytohesin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10405-1-AP (Cytohesin 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10405-1-AP (Cytohesin 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Cytohesin 2 (IP:10405-1-AP, 4ug; Detection:10405-1-AP 1:500) with mouse heart tissue lysate 4000ug.