

For Research Use Only

# CPNE3 Polyclonal antibody

Catalog Number: 11186-1-AP

4 Publications



## Basic Information

### Catalog Number:

11186-1-AP

### Size:

253 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1634

### GenBank Accession Number:

BC036242

### GeneID (NCBI):

8895

### UNIPROT ID:

O75131

### Full Name:

copine III

### Calculated MW:

60 kDa

### Observed MW:

60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:400-1:1600

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

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

### Positive Controls:

**WB:** A549 cells, HeLa cells, HepG2 cells, HuH-7 cells, Y79 cells

**IP:** HepG2 cells,

**IHC:** mouse liver tissue, human prostate cancer tissue

**IF/ICC:** HepG2 cells,

## Background Information

Copines are a family of evolutionarily conserved calcium-dependent phospholipid-binding proteins (PMID: 9430674). They contain two Ca(2+)- and phospholipid-binding domains known as C2 domains. Copines are potentially involved in regulating membrane trafficking and in protein-protein interactions.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bo Sun	30078189	J Cell Physiol	WB,IHC
Xiaohan Chen	39524444	Front Immunol	WB,IHC
Yizhou Zhong	39232293	Ecotoxicol Environ Saf	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:

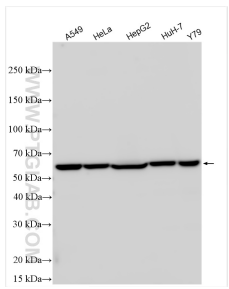
T: 4006900926

E: Proteintech-CN@ptglab.com

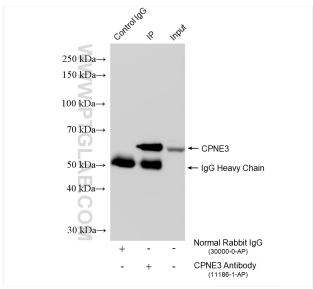
W: ptgcn.com

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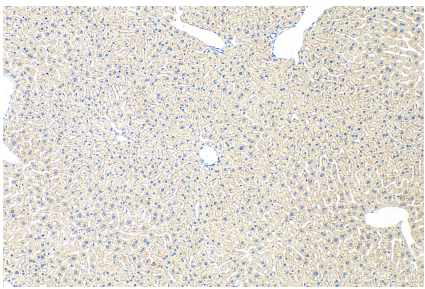
Selected Validation Data



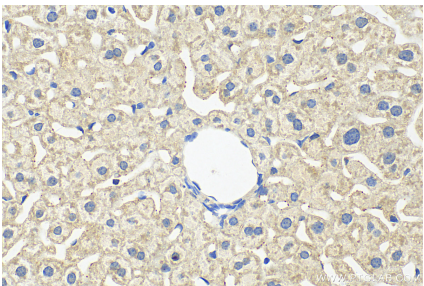
Various lysates were subjected to SDS PAGE followed by western blot with 11186-1-AP (CPNE3 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



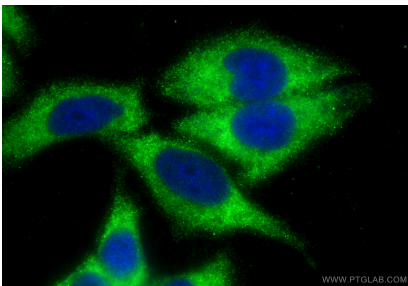
IP result of anti-CPNE3 (IP:11186-1-AP, 4ug; Detection:11186-1-AP 1:10000) with HepG2 cells lysate 1320 ug.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 11186-1-AP (CPNE3 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 11186-1-AP (CPNE3 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CPNE3 antibody (11186-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).