

For Research Use Only

CPNE3 Polyclonal antibody

Catalog Number: 11186-1-AP

4 Publications



Basic Information

Catalog Number:

11186-1-AP

Size:

150ul, Concentration: 253 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

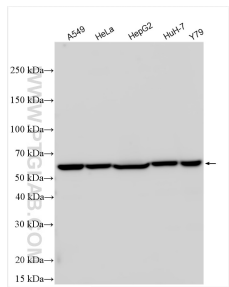
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

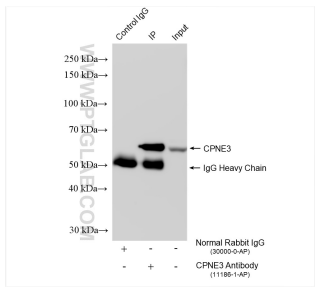
E: proteintech@ptglab.com
W: ptglab.com

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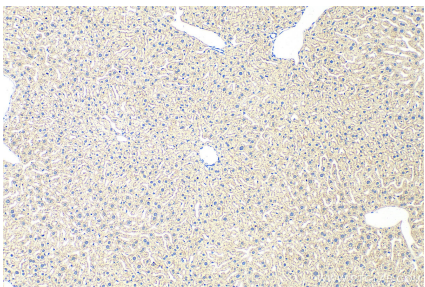
Selected Validation Data



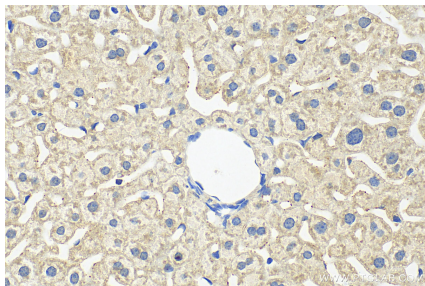
Various lysates were subjected to SDS PAGE followed by western blot with 11186-1-AP (CPNE3 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



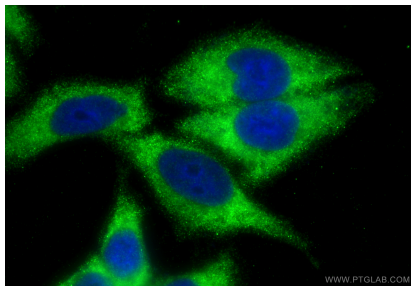
IP result of anti-CPNE3 (IP:11186-1-AP, 4ug; Detection:11186-1-AP 1:10000) with HepG2 cells lysate 1320 ug.



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).