

For Research Use Only

# NPC1L1 Polyclonal antibody

Catalog Number: 28085-1-AP

2 Publications



## Basic Information

Catalog Number:

28085-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26277

GenBank Accession Number:

NM\_001101648

GeneID (NCBI):

29881

Full Name:

NPC1 (Niemann-Pick disease, type

C1, gene)-like 1

Calculated MW:

149 kDa

Observed MW:

140-149 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human, rat

Positive Controls:

WB : HeLa cells, HepG2 cells

IHC : human liver 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

NPC1 like intracellular cholesterol transporter 1 (NPC1L1) is a multi-pass membrane protein which has 1332 amino acids and containing a conserved N-terminal Niemann-Pick C1 (NPC1) domain and a putative sterol-sensing domain (SSD). It is only found in the tubular membranes of primate hepatocytes and the brush-border membranes of the small intestine of mammals. PC1L1 is a key protein for intestinal absorption of cholesterol and plays an important role in cholesterol balance. Cholesterol contributes to cell proliferation, invasion and latency, and is essential for tumor formation and growth, so NPC1L1 plays a critical role in tumor development and spread (PMID: 36034854).

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengwei Chen	39716710	Int J Biol Macromol	WB
James Elste	38672177	Biomedicines	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:

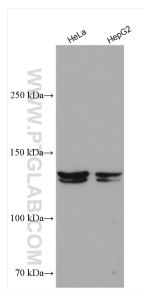
T: 4006900926

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

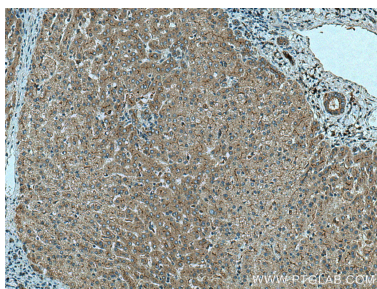
W: [ptgcn.com](http://ptgcn.com)

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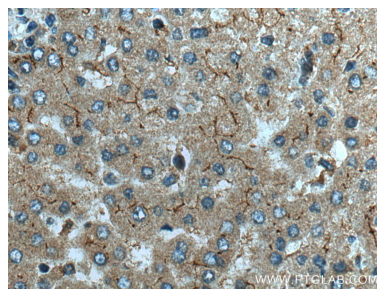
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28085-1-AP (NPC1L1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 28085-1-AP (NPC1L1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 28085-1-AP (NPC1L1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).