

For Research Use Only

# POFUT1 Polyclonal antibody

Catalog Number:14929-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

14929-1-AP

### Size:

800 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6710

### GenBank Accession Number:

BC000582

### GeneID (NCBI):

23509

### UNIPROT ID:

Q9H488

### Full Name:

protein O-fucosyltransferase 1

### Calculated MW:

44 kDa

### Observed MW:

44 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### 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 : HCT 116 cells, HUVEC cells

IP : HepG2 cells,

IHC : human liver cancer tissue, mouse liver tissue

IF/ICC : HUVEC cells, A431 cells

## Background Information

POFUT1 (protein O-fucosyltransferase 1), also known as GDP-fucose protein O-fucosyltransferase, is an enzyme that catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in EGF domains and plays a crucial role in Notch signaling.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuheng Du	30250219	Cell Death Dis	WB,IHC,IF
Rene G Feichtinger	34468083	EMBO Mol Med	WB
Dandan Zhang	31601791	Cell Death Dis	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:

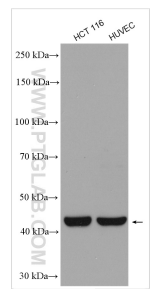
T: 4006900926

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

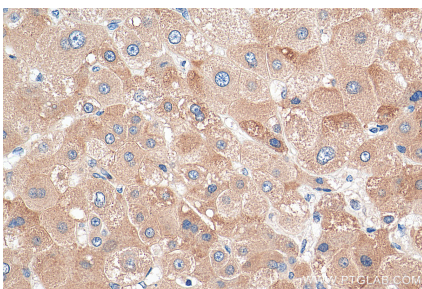
W: [ptgcn.com](http://ptgcn.com)

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

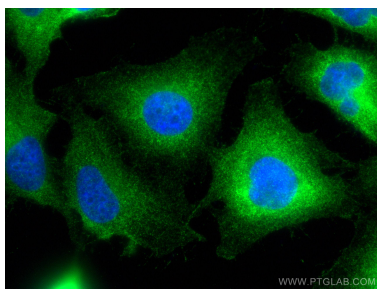
Selected Validation Data



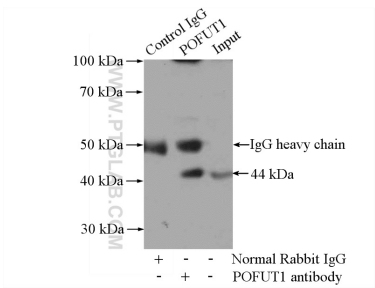
HCT 116 cells were subjected to SDS PAGE followed by western blot with 14929-1-AP (POFUT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



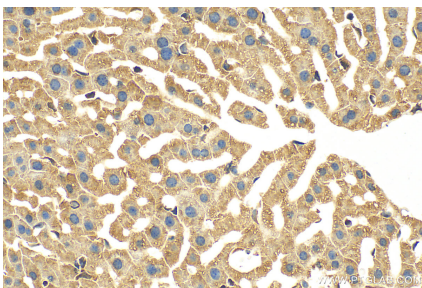
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14929-1-AP (POFUT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



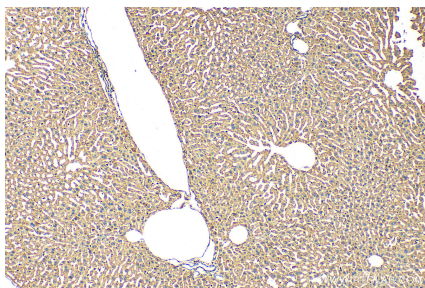
Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using POFUT1 antibody (14929-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-POFUT1 (IP:14929-1-AP, 4ug; Detection:14929-1-AP 1:500) with HepG2 cells lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 14929-1-AP (POFUT1 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 mouse liver tissue slide using 14929-1-AP (POFUT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).