

## POFUT1 Polyclonal antibody

Catalog Number: 14929-1-AP

Featured Product

10 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 1:50-1:500

## Applications

## Tested Applications:

WB, IP, IF/ICC, IHC, ELISA

## Cited Applications:

WB, IF, IHC

## 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 : 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

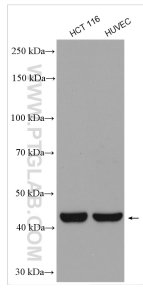
For technical support and original validation data for this product please contact:

T: 4006900926

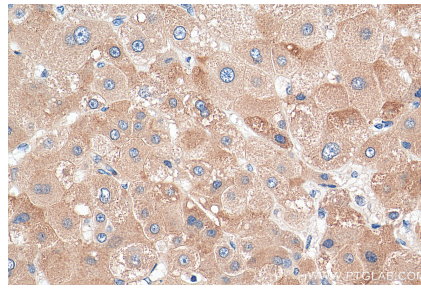
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

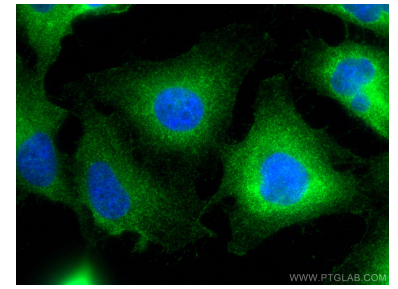
## Selected Validation Data



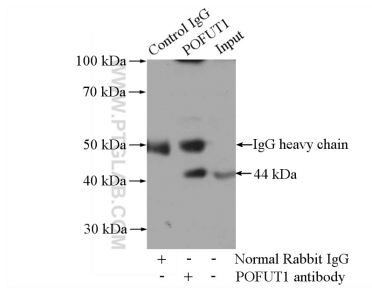
HCT 116 cells were subjected to SDS PAGE followed by western blot with 14929-1-AP (POFUT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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 AffiniPure 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.