

For Research Use Only

# POFUT1 Polyclonal antibody

Catalog Number: 14929-1-AP

Featured Product

10 Publications



## Basic Information

**Catalog Number:**  
14929-1-AP

**Size:**  
150ul, Concentration: 240 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG6710

**GenBank Accession Number:**  
BC000582

**GeneID (NCBI):**  
23509

**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 ug for IP and 1:500-1:1000 for WB  
IHC 1:50-1:500  
IF 1:50-1:500

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**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

\*\*\* 20ul sizes contain 0.1% BSA

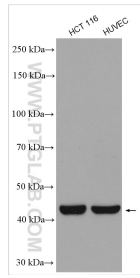
For technical support and original validation data for this product please contact:

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

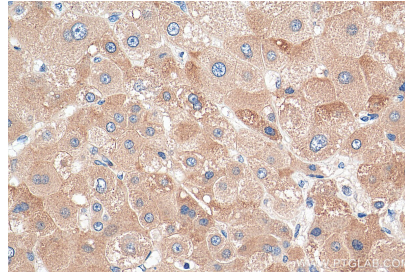
E: proteintech@ptglab.com  
W: ptglab.com

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

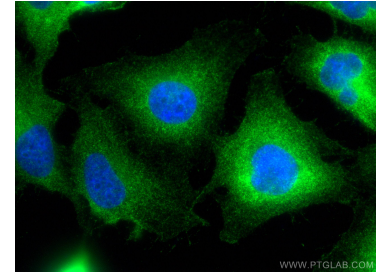
## Selected Validation Data



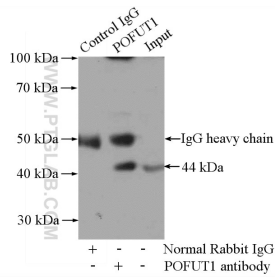
HCT 116 cells were subjected to SDS PAGE followed by western blot with 14929-1-AP (POFUT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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.