

For Research Use Only

# TGN46 Polyclonal antibody

Catalog Number: 13573-1-AP **20 Publications**



## Basic Information

<b>Catalog Number:</b> 13573-1-AP	<b>GenBank Accession Number:</b> BC028219	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 580 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10618	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43493	
<b>Isotype:</b> IgG	<b>Full Name:</b> trans-golgi network protein 2	
<b>Immunogen Catalog Number:</b> AG4470	<b>Calculated MW:</b> 447 aa, 47 kDa	
	<b>Observed MW:</b> 90-100 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, IF, ELISA	<b>Positive Controls:</b> WB : A549 cells, HeLa cells, HepG2 cells IP : HeLa cells, IF : HeLa cells, A549 cells, human cerebellum tissue, Fibroblast (primary cells)
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse, hamster	

## Background Information

TGN46 (TGOLN2), the human homologue of rat Tgn38, is a transmembrane glycoprotein predominantly localized to the TGN (trans-Golgi network). TGN is a major secretory pathway sorting station for proteins and lipids. TGN46 may be involved in regulating membrane traffic to and from TGN. Alternatively spliced transcript variants encode different TGN46 isoforms. TGN46 has an apparent molecular mass of 100-150 kDa, suggesting extensive O- and N-glycosylations.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bohong Cen	30312846	Mol Ther Nucleic Acids	IF
Yujuan Liu	34650031	Oncogenesis	WB
Jia-min Yan	34747299	Autophagy	WB

## Storage

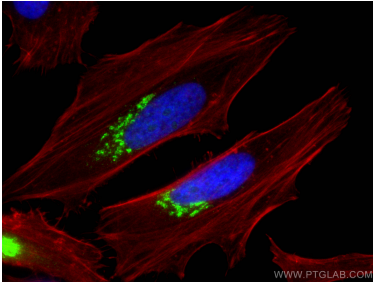
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

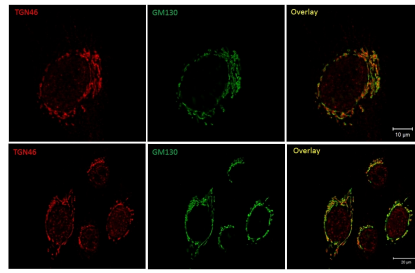
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

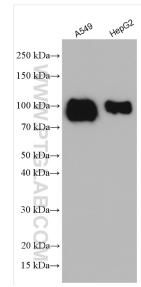
## Selected Validation Data



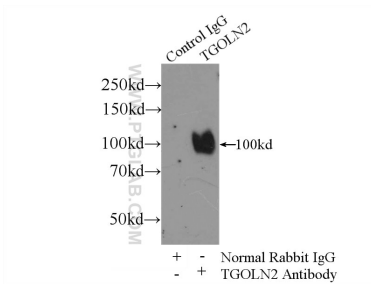
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TGN46 antibody (13573-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IF result of TGN46 antibody (1:50) with Human Fibroblast (primary cells) By Dr. Neeraj Tiwar, Rothman Lab, Yale School of Medicine. Fixed with 4% PFA 10 min.



Various lysates were subjected to SDS PAGE followed by western blot with 13573-1-AP (TGN46 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-TGN46 (IP:13573-1-AP, 3ug; Detection:13573-1-AP 1:300) with HeLa cells lysate 2400ug.