

For Research Use Only

TGN46 Polyclonal ANTIBODY



Catalog Number: 13573-1-AP

1 Publications

Basic Information

Catalog Number:
13573-1-AP

Size:
50 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG4470

GenBank Accession Number:
BC028219

GeneID (NCBI):
10618

Full Name:
trans-golgi network protein 2

Calculated MW:
447aa, 47 kDa

Observed MW:
90-100 kDa

Recommended Dilutions:

WB : 1:1000-1:8000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IF 1:10-1:100

Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells; HeLa cells, HepG2 cells

IP : HeLa cells;

IF : A549 cells; HeLa cells, Fibroblast (primary cells)

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

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

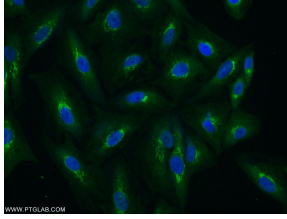
For technical support and original validation data for this product please contact:

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

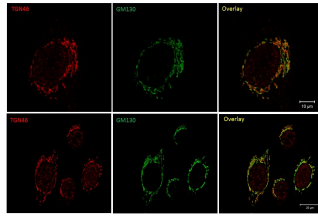
E: proteintech@ptglab.com
W: ptglab.com

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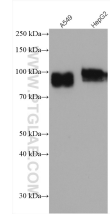
Selected Validation Data



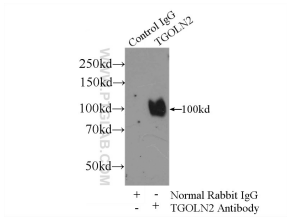
Immunofluorescent analysis of A549 cells using 13573-1-AP (TGN46 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



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.