

For Research Use Only

# Multi-rAb® TGN46 Multi-Recombinant antibody

Catalog Number: RMX00075



## Basic Information

<b>Catalog Number:</b> RMX00075	<b>GenBank Accession Number:</b> BC028219	<b>Purification Method:</b> N/A
<b>Size:</b> 100ul , Concentration: 1040 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10618	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43493	
<b>Isotype:</b> IgG	<b>Full Name:</b> trans-golgi network protein 2	
	<b>Calculated MW:</b> 447 aa, 47 kDa	
	<b>Observed MW:</b> 90-100 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

**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 : A549 cells, HeLa cells, HepG2 cells

IHC : human liver tissue,

IF/ICC : HeLa cells,

## Background Information

TGN46 (TGNL2), the human homolog 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

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

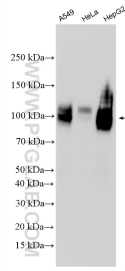
For technical support and original validation data for this product please contact:

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

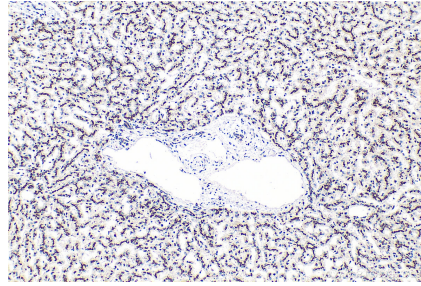
E: proteintech@ptglab.com  
W: ptglab.com

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

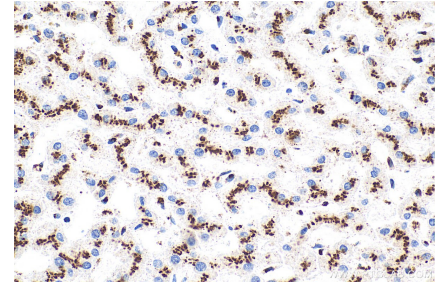
## Selected Validation Data



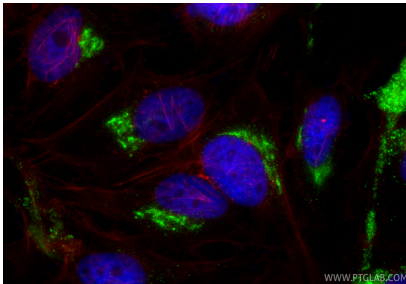
Various lysates were subjected to SDS PAGE followed by western blot with RMX00075 (TGN46 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using RMX00075 (TGN46 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using RMX00075 (TGN46 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TGN46 antibody (RMX00075) at dilution of 1:500 and CoralLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).