

For Research Use Only

# TGOLN2,TGN46 Recombinant antibody



Catalog Number:83099-2-RR

## Basic Information

<b>Catalog Number:</b> 83099-2-RR	<b>GenBank Accession Number:</b> BC028219	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 10618	<b>CloneNo.:</b> 230376D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43493	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:125-1:500
<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, IF/ICC, FC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> A549 cells, HeLa cells, PC-3 cells, PC-12 cells, human kidney tissue <b>IF :</b> HeLa 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.

## 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:

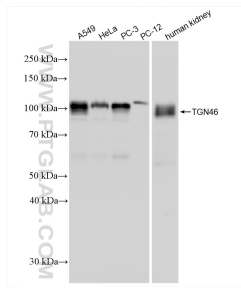
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

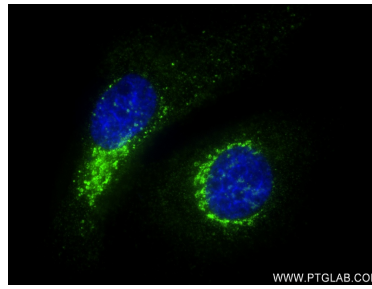
W: [ptgcn.com](http://ptgcn.com)

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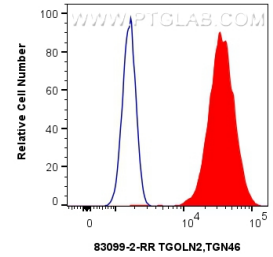
## Selected Validation Data



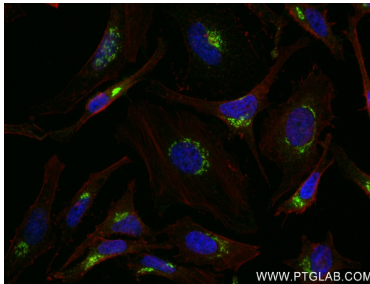
Various lysates were subjected to SDS PAGE followed by western blot with 83099-2-RR (TGN46 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TGN46 antibody (83099-2-RR, Clone: 230376D6) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug TGN46 Recombinant antibody (83099-2-RR, Clone:230376D6) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TGN46 antibody (83099-2-RR, Clone: 230376D6) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).