

For Research Use Only

# CoraLite® Plus 488-conjugated TGN46 Recombinant antibody

Catalog Number:CL488-83099-2



## Basic Information

<b>Catalog Number:</b> CL488-83099-2	<b>GenBank Accession Number:</b> BC028219	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10618	<b>CloneNo.:</b> 230376D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43493	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> trans-golgi network protein 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<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> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## 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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

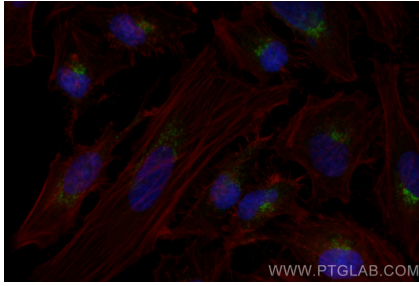
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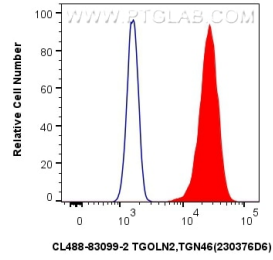
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoralLite® Plus 488 TGN46 antibody (CL488-83099-2, Clone: 230376D6) at dilution of 1:200.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoralLite® Plus 488-conjugated TGN46 Recombinant antibody (CL488-83099-2, Clone:230376D6)(red), or 0.4 ug CoralLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).