

For Research Use Only

TGN46 Recombinant antibody, PBS Only

Catalog Number: 83099-2-PBS



Basic Information

Catalog Number: 83099-2-PBS	GenBank Accession Number: BC028219	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 10618	CloneNo.: 230376D6
Source: Rabbit	UNIPROT ID: O43493	
Isotype: IgG	Full Name: trans-golgi network protein 2	
Immunogen Catalog Number: AG4470	Calculated MW: 447 aa, 47 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

Species Specificity:
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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

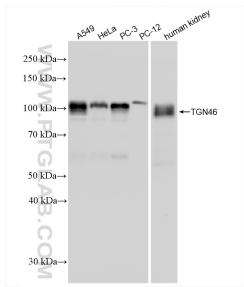
T: 4006900926

E: Proteintech-CN@ptglab.com

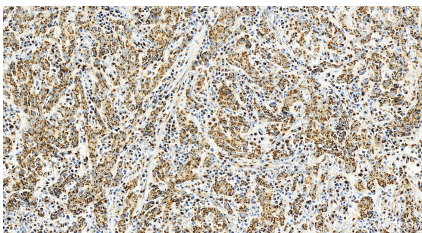
W: ptgcn.com

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

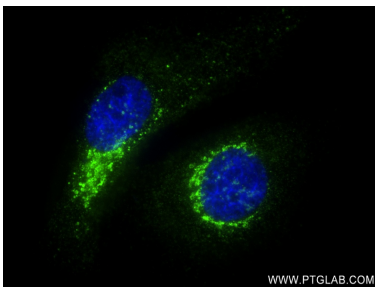
Selected Validation Data



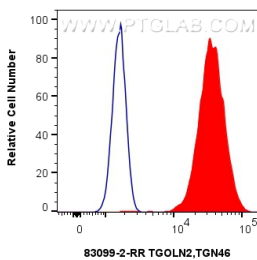
Various lysates were subjected to SDS PAGE followed by western blot with 83099-2-RR (TGN46 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83099-2-PBS in a different storage buffer formulation.



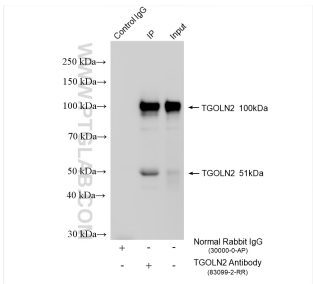
Immunohistochemical analysis of paraffin-embedded stomach cancer slide using 83099-2-RR (TGN46 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83099-2-PBS in a different storage buffer formulation.



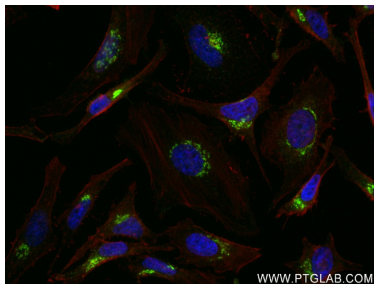
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TGN46 antibody (83099-2-RR, Clone: 230376D6) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83099-2-PBS in a different storage buffer formulation.



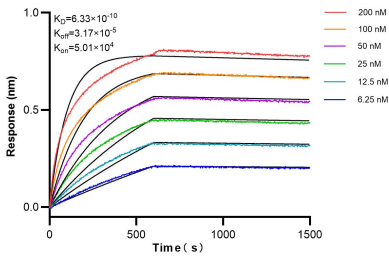
1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug TGN46 Recombinant antibody (83099-2-RR, Clone:230376D6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83099-2-PBS in a different storage buffer formulation.



IP result of anti-TGN46 (IP:83099-2-RR, 4ug; Detection:83099-2-RR 1:2000) with HeLa cells lysate 980 ug. This data was developed using the same antibody clone with 83099-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83099-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83099-2-RR against Human TGN46 were performed. The affinity constant is 0.633 nM.