

TGN46 Polyclonal Antibody

Catalog number: 13573-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

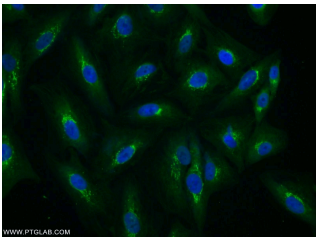
Synonyms:

TGOLN2; Tgn38, TGN38

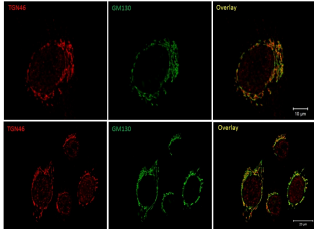
homolog, TGN46, TGN48,

TGN51, TGOLN2, trans golgi

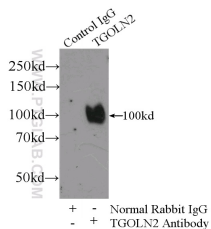
network protein 2, TTGN2



Immunofluorescent analysis of A549 cells using 13573-1-AP (TGOLN2, TGN46 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IF result of TGOLN2/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.



IP Result of anti-TGOLN2, TGN46 (IP:13573-1-AP, 3µg; Detection:13573-1-AP 1:300) with HeLa cells lysate 2400µg.

Background

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 encoding different TGN46 isoforms. TGN46 has an apparent molecular mass of 100-150 kDa, suggesting extensive O- and N-glycosylations.

Applications

Tested applications:	ELISA, IP, IF, WB
Species specificity:	Human; other species not tested.
Calculated TGN46 MW:	447aa, 47 kDa
Observed TGN46 MW:	95 kDa
Positive WB detected in	HepG2 cells, HeLa cells
Positive IP detected in	HeLa cells
Positive IF detected in	A549 cells, Fibroblast (primary cells), HeLa cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IF: 1:10-1:100

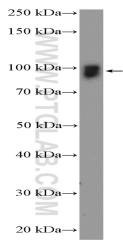
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4470
GenBank accession number:	BC028219
Gene ID (NCBI):	10618
Full name:	Trans-golgi network protein 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



HepG2 cells were subjected to SDS PAGE followed by western blot with 13573-1-AP(TGOLN2,TGN46 Antibody) at dilution of 1:600