

For Research Use Only

TGN46 Polyclonal antibody

Catalog Number: 13573-1-AP

34 Publications



Basic Information

Catalog Number:

13573-1-AP

Concentration:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4470

GenBank Accession Number:

BC028219

GeneID (NCBI):

10618

UNIPROT ID:

O43493

Full Name:

trans-golgi network protein 2

Calculated MW:

447 aa, 47 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:8000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:400-1:1600

IF-P: 1:50-1:500

IF/ICC: 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse, pig, monkey, hamster

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

IP: HeLa cells,

IHC: human stomach cancer,

IF-P: human cerebellum tissue,

IF/ICC: HeLa cells, A549 cells

Background Information

TGN46 (TGOLN2), 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Bohong Cen	30312846	Mol Ther Nucleic Acids	IF
Yujuan Liu	34650031	Oncogenesis	WB
Jia-min Yan	34747299	Autophagy	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

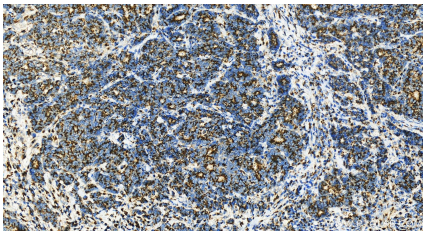
T: 4006900926

E: Proteintech-CN@ptglab.com

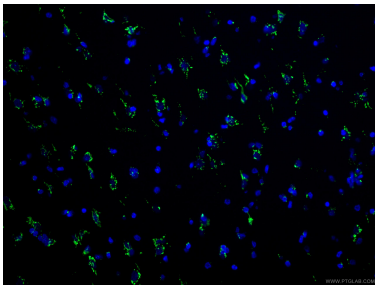
W: ptgcn.com

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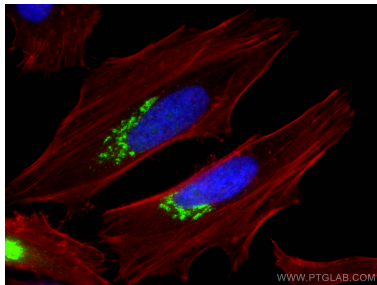
Selected Validation Data



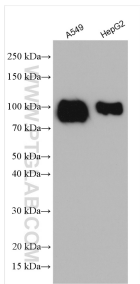
Immunohistochemical analysis of paraffin-embedded stomach cancer slide using 13573-1-AP (TGN46 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



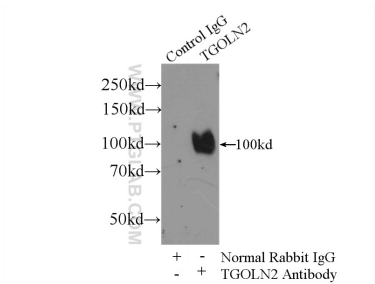
Immunofluorescent analysis of (4% PFA) fixed human cerebellum tissue using 13573-1-AP (TGN46 antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TGN46 antibody (13573-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Various lysates were subjected to SDS PAGE followed by western blot with 13573-1-AP (TGN46 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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