

For Research Use Only

TGN46 Monoclonal ANTIBODY



Catalog Number: 66477-1-Ig

Basic Information

Catalog Number:

66477-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4470

GenBank Accession Number:

BC028219

GeneID (NCBI):

10618

Full Name:

trans-golgi network protein 2

Calculated MW:

447 aa, 47 kDa

Observed MW:

90 kDa

Purification Method:

Protein G purification

CloneNo.:

1F6D5

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:150-1:600

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, Rat, Pig, Mouse

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: HeLa cells, HepG2 cells, SMMC-7721 cells, pig liver tissue

IHC: human breast cancer tissue, human liver cancer tissue

IF: PC-12 cells, A549 cells, mouse brain tissue

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 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

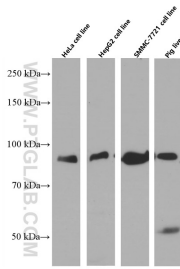
For technical support and original validation data for this product please contact:

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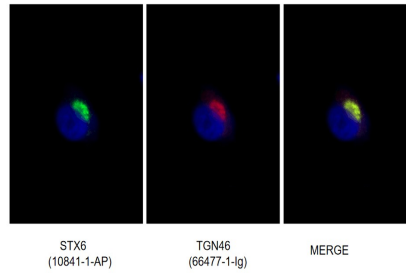
E: proteintech@ptglab.com
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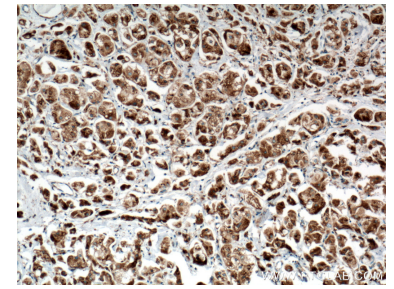
Selected Validation Data



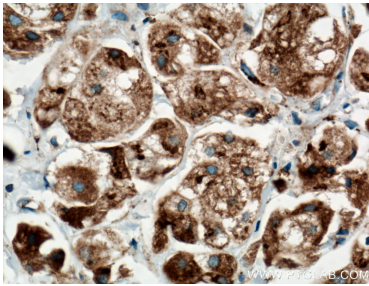
HeLa cells were subjected to SDS PAGE followed by western blot with 66477-1-Ig (TGN46 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using 66477-1-Ig (TGN46 antibody) at dilution of 1:100 and 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:50, further stained with CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) for 66477-1-Ig, and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 10841-1-AP.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66477-1-Ig (TGN46 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66477-1-Ig (TGN46 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).