

**Anti-TGN38/46**

**Our Anti-TGN38/46 primary antibody from PhosphoSolutions is rabbit polyclonal. It detects mouse and**  
**Catalog # AN1579**

**Specification**

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**Anti-TGN38/46 - Product Information**

Primary Accession	<a href="#">P19814</a>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>38305</b>

**Anti-TGN38/46 - Additional Information**

Gene ID **192152**

**Other Names**

TGN 46 antibody, TGN 51 antibody, TGN38 antibody, TTGN1 antibody, TGN38 homolog antibody, TGN38B antibody, TGN46 antibody, TGN48 antibody, TGN51 antibody, TGOLN2 antibody, TGON2\_HUMAN antibody, Trans Golgi network integral membrane protein 2 antibody, Trans golgi network protein 2 antibody, Trans Golgi network protein TGN51 antibody, Trans-Golgi network integral membrane protein 2 antibody, Trans-Golgi network protein TGN51 antibody, TTGN2 antibody

**Target/Specificity**

TGN38, also known as TGN46, is a type 1 integral membrane protein which predominantly localizes to the trans-Golgi network (TGN), and rapidly cycles to and from the cell surface. The cytosolic domain of TGN38/46 is involved in the reversible recruitment to the membrane with other cytosolic proteins for vesicle formation, while the luminal domain is involved in maintaining the morphology of the TGN (Banting, G., Ponnambalam, S., 1997). The cytosolic domain of TGN38/46 forms a complex with rab6, a small GTP-binding protein, and p62 where vesicle formation occurs at the exit sites of the TGN (Jones, S.M., et al, 1993). TGN38 is widely used as a reliable Golgi marker.

**Format**

Antigen Affinity Purified from Pooled Serum

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-TGN38/46 is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

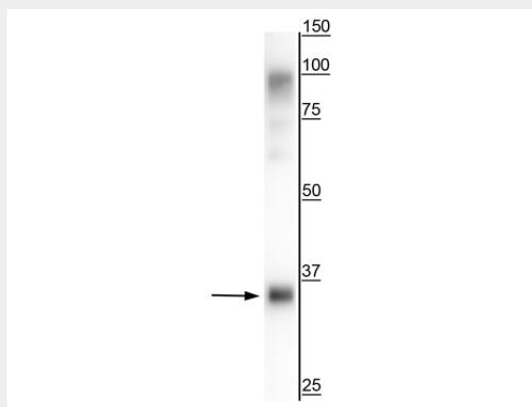
Blue Ice

**Anti-TGN38/46 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-TGN38/46 - Images**



Western blot of rat liver showing specific immunolabeling of the ~35 kDa TGN38/46 protein. Also present is the glycosylated TGN 38/46 protein at ~97 kDa.

#### **Anti-TGN38/46 - Background**

TGN38, also known as TGN46, is a type 1 integral membrane protein which predominantly localizes to the trans-Golgi network (TGN), and rapidly cycles to and from the cell surface. The cytosolic domain of TGN38/46 is involved in the reversible recruitment to the membrane with other cytosolic proteins for vesicle formation, while the luminal domain is involved in maintaining the morphology of the TGN (Banting, G., Ponnambalam, S., 1997). The cytosolic domain of TGN38/46 forms a complex with rab6, a small GTP-binding protein, and p62 where vesicle formation occurs at the exit sites of the TGN (Jones, S.M., et al, 1993). TGN38 is widely used as a reliable Golgi marker.