

Product datasheet for **TA389036**

Tgoln2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the C-terminus region of the rat TGN38/46 protein, conjugated to keyhole limpet hemocyanin (KLH).
Specificity:	Specific for endogenous levels of the ~35 kDa TGN38 protein. Additionally, a ~97 kDa band representing glycosylated TGN38 protein may be seen in rodent species.
Formulation:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Concentration:	lot specific
Purification:	Antigen Affinity Purified from Pooled Serum
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	35, 97
Gene Name:	trans-golgi network protein 2
Database Link:	Entrez Gene 192152 Rat P19814



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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.

Synonyms:

MGC14722; TGN38; TGN46; TGN48; TGN51; TTGN2

Note:

Prepared from pooled rabbit serum by affinity purification using a column to which the peptide immunogen was coupled.