

Rabbit TGOLN2 Polyclonal Antibody | anti-TGOLN2 antibody

TGOLN2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287148	Rabbit	Human Predicted: Mouse.	Flow Cytometry, Functional Assay, ELISA, Western Blot

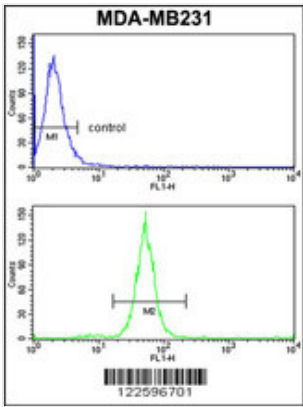
PRODUCT SYNONYMS

TGOLN2; Polyclonal Antibody; TGOLN2 Antibody (C-term); Trans-Golgi network integral membrane protein 2; TGN38 homolog; TGN46; TGN48; Trans-Golgi network protein TGN51; TGN51; anti-TGOLN2 antibody

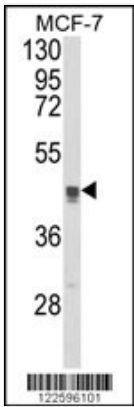
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Mouse.
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TGOLN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 399-427 amino acids from the C-terminal region of human TGOLN2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	399-427
Sequence Length	281
Applicable Applications for anti-TGOLN2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	May be involved in regulating membranetraffic to and from trans-Golgi network.
Cellular Location	Cell membrane; Single-pass type I membraneprotein. Golgi apparatus, trans-Golgi networkmembrane; Single- pass type I membraneprotein. Note=Primarily in trans-Golginetwork. Cycles between the trans-Golginetwork and the cell surface returning viaendosomes.
Tissue Location	Isoform TGN46 is widely expressed. IsoformTGN51 is more abundant in fetal lung andkidney. Isoform TGN48 is barely expressed inembryonic kidney and promyelocytic cells.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
TGOLN2 Antibody (C-term) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Anti-TGOLN2 Antibody (C-term) at 1:1000 dilution + MCF-7 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-TGOLN2 antibody	TGOLN2 may be involved in regulating membrane traffic to and from trans-Golgi network.
References	Wu,C., et.al., Proteomics 7 (11), 1775-1785 (2007) Honing,S., et.al., Mol. Cell 18 (5), 519-531 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	332205947
NCBI GeneID	10618
NCBI Accession #	NP_001193769.1; NP_001193770.1; NP_001193773.1; NP_006455.2
NCBI GenBank Nucleotide #	NM_001206840.1
UniProt Accession #	O43493; O15282; O43492; O43499; O43500; O43501; Q53G68; Q53GV2; B2R686; B8ZZ88; D6W5K3; F8WBK2
NCBI Official Full Name	trans-Golgi network integral membrane protein 2 isoform 2
NCBI Official Synonym Full Names	trans-golgi network protein 2
NCBI Official Symbol	TGOLN2
NCBI Official Synonym Symbols	TGN38; TGN46; TGN48; TGN51; TTGN2
NCBI Protein Information	trans-Golgi network integral membrane protein 2
UniProt Protein Name	Trans-Golgi network integral membrane protein 2
UniProt Gene Name	TGOLN2
UniProt Synonym Gene Names	TGN46; TGN51
UniProt Entry Name	TGON2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.