

Human Trans Golgi Network Protein 2 (TGOLN2) ELISA Kit | TGOLN2 elisa kit

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CATALOG #
AAA64546

REACTIVITY
Human

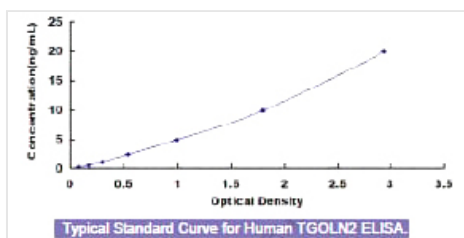
PRODUCT SYNONYMS

Trans Golgi Network Protein 2 (TGOLN2); Human Trans Golgi Network Protein 2 (TGOLN2) ELISA Kit; Mitochondrial transcription factor 1; MtTF1; mtTFA; TCF6; TCF-6; TCF6L2; Transcription factor 6; Transcription factor 6-like 2; TGOLN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TGOLN2. No significant cross-reactivity or interference between TGOLN2 and analogues was observed.
Sequence Length	480
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.116ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGOLN2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TGOLN2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGOLN2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TGOLN2 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TGOLN2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TGOLN2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TGOLN2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TGOLN2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332205947
NCBI GeneID	10618
NCBI Accession #	NP_001193769.1
NCBI GenBank Nucleotide #	NM_001206840.1
UniProt Accession #	O43493; O15282; O43492; O43499; O43500; O43501; Q53G68; Q53GV2; B2R686; B8ZZ88; D6W5K3; F8WBK2
Molecular Weight	29,541 Da
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

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/trans-golgi-network-protein-2-tgoln2/64546>