ARG63643
anti-TMX1 / TXNDC1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TMX1 / TXNDC1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TMX1 / TXNDC1
Species	Human
Immunogen	C-RSLGPSLATDKS
Conjugation	Un-conjugated
Alternate Names	TXNDC; Thioredoxin-related transmembrane protein 1; Thioredoxin domain-containing protein 1; TMX; Transmembrane Trx-related protein; PDIA11; TXNDC1

Application Instructions

Application table

Application	Dilution
IHC-P	Assay - dependent
WB	0.01 - 0.03 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

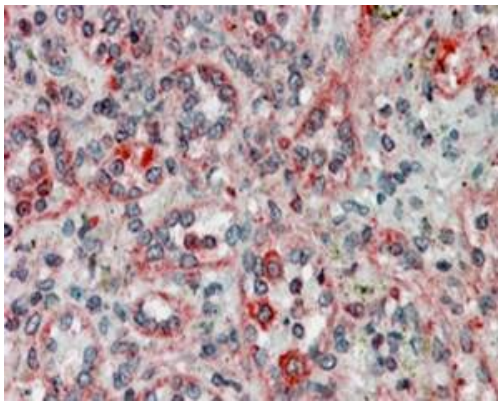
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

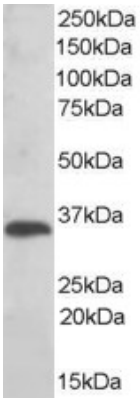
Database links	GeneID: 81542 Human Swiss-port # Q9H3N1 Human
Gene Symbol	TMX1
Gene Full Name	thioredoxin related transmembrane protein 1
Background	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, and one transmembrane domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The mature membrane-bound protein can both oxidize and reduce disulfide bonds and acts selectively on membrane-associated polypeptides. [provided by RefSeq, Jan 2017]
Function	May participate in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyze dithiol-disulfide exchange reactions. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	32 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Note=Predominantly found in the endoplasmic reticulum. [UniProt]

Images



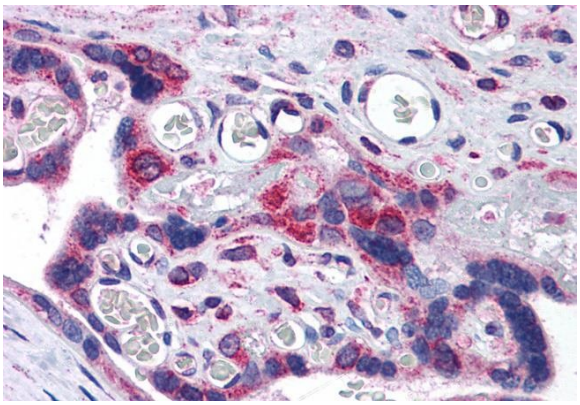
ARG63643 anti-TMX1 / TXNDC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63643 anti-TMX1 / TXNDC1 antibody at 3.8 µg/ml dilution followed by AP-staining.



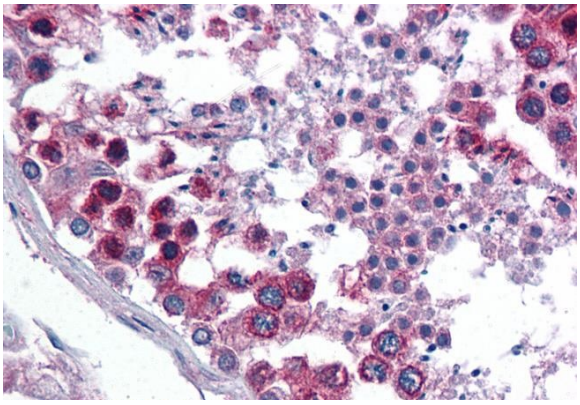
ARG63643 anti-TMX1 / TXNDC1 antibody WB image

Western blot: 35 µg of Human liver lysate (protein in RIPA buffer) stained with ARG63643 anti-TMX1 / TXNDC1 antibody at 0.01 µg/ml dilution and incubated at RT for 1 hour.



ARG63643 anti-TMX1 / TXNDC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63643 anti-TMX1 / TXNDC1 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG63643 anti-TMX1 / TXNDC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63643 anti-TMX1 / TXNDC1 antibody at 3.75 µg/ml dilution followed by AP-staining.