TXNDC5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TXNDC5, Polyclonal Antibody
Full Product Name	TXNDC5
Product Gene Name	anti-TXNDC5 antibody
Product Synonym Names	ENDOPDI; ERP46; HCC-2; HCC2; PDIA15; STRF8; UNQ364
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	48kDa
OMIM	616412
3D Structure	ModBase 3D Structure for Q8NBS9
Immunogen	Recombinant protein of human TXNDC5
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TXNDC5 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-TXNDC5 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:100
Related Product Information for anti-TXNDC5 antibody	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 endoplasmic reticulum (ER)-signal sequence, three catalytically active thioredoxin domains and a C-terminal ER-retention sequence. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream BLOC1S5 gene.
Other Notes	Small volumes of anti-TXNDC5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TXNDC5 purchase	MBS8536323 is an antibody targeting TXNDC5. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TXNDC5. It may not necessarily be applicable to this product.

NCBI GI #	224493972
NCBI GeneID	81567

NCBI Accession #	NP_001139021.1
UniProt Primary Accession #	Q8NBS9
UniProt Secondary Accession #	Q5TCQ0; Q8ND33; Q8TCT2; Q9BVH9; B2RDM2
UniProt Related Accession #	Q8NBS9
GenBank Nucleotide #	NM_001145549.3
NCBI Official Full Name	thioredoxin domain-containing protein 5 isoform 3
NCBI Official Synonym Full Names	thioredoxin domain containing 5
NCBI Official Symbol	TXNDC5
NCBI Official Synonym Symbols	HCC2; ERP46; HCC-2; STRF8; PDIA15; UNQ364; ENDOPDI
UniProt Protein Name	Thioredoxin domain-containing protein 5
UniProt Synonym Protein Names	Endoplasmic reticulum resident protein 46; ER protein 46; ERp46; Thioredoxin-like protein p46
Protein Family	Thioredoxin domain-containing protein
UniProt Gene Name	TXNDC5
UniProt Synonym Gene Names	TLP46; ER protein 46; ERp46
NCBI Protein Information	thioredoxin domain-containing protein 5
UniProt Comments for TXNDC5	Possesses thioredoxin activity. Has been shown to reduce insulin disulfide bonds. Also complements protein disulfide-isomerase deficiency in yeast ().
Research Articles on TXNDC5	**1.** TXNDC5 is also closely associated with rheumatoid arthritis, diabetes, hepatic steatosis and vitiligo. [review]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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