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TXNDC12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4871b

Product Information

Application	WB, IHC-P, E
Primary Accession	O95881
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21050
Calculated MW	19206
Antigen Region	144-172

Additional Information

Gene ID	51060
Other Names	Thioredoxin domain-containing protein 12, Endoplasmic reticulum resident protein 18, ER protein 18, ERp18, Endoplasmic reticulum resident protein 19, ER protein 19, ERp19, Thioredoxin-like protein p19, hTLP19, TXNDC12, TLP19
Target/Specificity	This TXNDC12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-172 amino acids from the C-terminal region of human TXNDC12.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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.
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.
Precautions	TXNDC12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TXNDC12 (HGNC:24626)
Function	Protein-disulfide reductase of the endoplasmic reticulum that promotes disulfide bond formation in client proteins through its thiol- disulfide oxidase

activity.

Cellular Location Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138, ECO:0000269|PubMed:12761212}

Tissue Location Widely expressed..

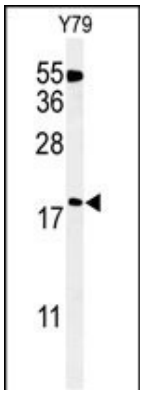
Background

TXNDC12 belongs to the thioredoxin superfamily (see TXN; MIM 187700). Members of this superfamily possess a thioredoxin fold with a consensus active-site sequence (CxxC) and have roles in redox regulation, defense against oxidative stress, refolding of disulfide-containing proteins, and regulation of transcription factors

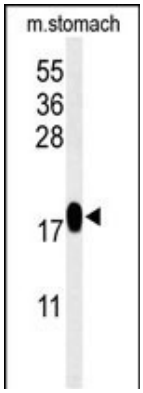
References

Jessop, C.E., et al. J. Cell. Sci. 122 (PT 23), 4287-4295 (2009)
Rowe, M.L., et al. Biochemistry 48(21):4596-4606(2009)
Jeong, W., et al. J. Biol. Chem. 283(37):25557-25566(2008)

Images

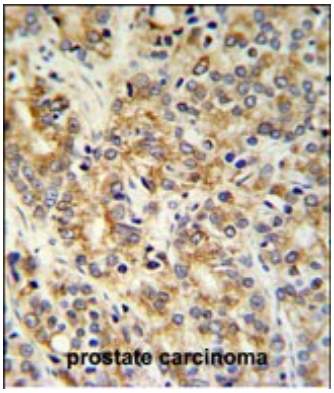


Western blot analysis of TXNDC12 Antibody (C-term) (Cat. #AP4871b) in Y79 cell line lysates (35ug/lane). TXNDC12 (arrow) was detected using the purified Pab.



Western blot analysis of TXNDC12 Antibody (C-term) (Cat. #AP4871b) in mouse stomach tissue lysates (35ug/lane). TXNDC12 (arrow) was detected using the purified Pab.

TXNDC12 Antibody (C-term) (Cat. #AP4871b) IHC analysis in formalin fixed and paraffin embedded prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TXNDC12 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.