

**TXNDC12 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP4871b**

**Specification**

---

**TXNDC12 Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">O95881</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19206
Antigen Region	144-172

**TXNDC12 Antibody (C-term) - 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**

IHC-P~~1:50~100

WB~~1:1000

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.

**TXNDC12 Antibody (C-term) - 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**

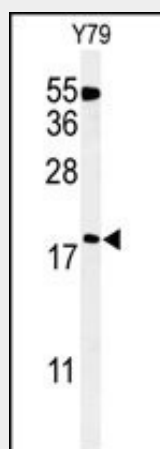
Widely expressed..

**TXNDC12 Antibody (C-term) - Protocols**

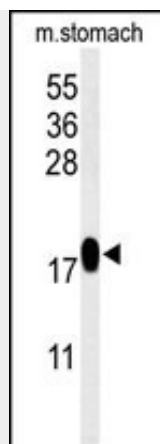
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

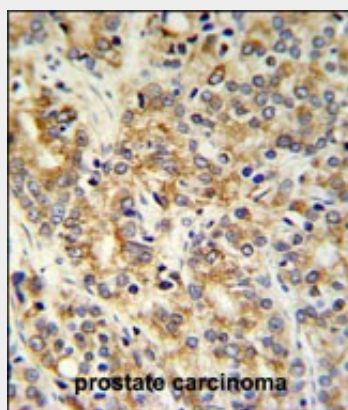
**TXNDC12 Antibody (C-term) - Images**



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.

### **TXNDC12 Antibody (C-term) - 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

### **TXNDC12 Antibody (C-term) - 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)