

Rabbit anti-Human, mouse TXNDC12 Polyclonal Antibody | anti-TXNDC12 antibody

TXNDC12 Antibody (C-term)

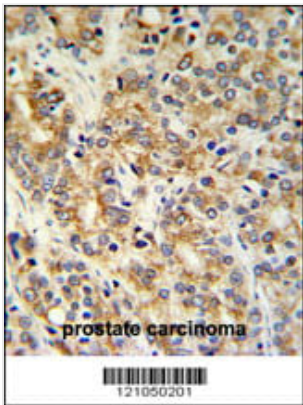
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283760	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

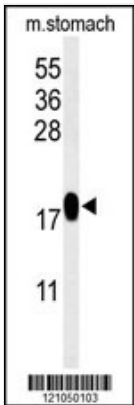
TXNDC12; Polyclonal Antibody; TXNDC12 Antibody (C-term); Thioredoxin domain-containing protein 12; Endoplasmic reticulum resident protein 18; ER protein 18; ERp18; Endoplasmic reticulum resident protein 19; ER protein 19; ERp19; Thioredoxin-like protein p19; hTLP19; TLP19; anti-TXNDC12 antibody

PRODUCT SPECIFICATIONS

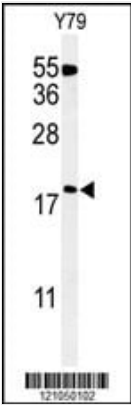
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TXNDC12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-172 amino acids from the C-terminal region of human TXNDC12.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	144-172
Sequence Length	172
Applicable Applications for anti-TXNDC12 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Possesses significant protein thiol-disulfide oxidase activity.
Cellular Location	Endoplasmic reticulum lumen
Tissue Location	Widely expressed.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
TXNDC12 Antibody (C-term) 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.



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-TXNDC12 antibody	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
Product Categories/Family for anti-TXNDC12 antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705696
NCBI GeneID	51060
NCBI Accession #	NP_056997.1
NCBI GenBank Nucleotide #	NM_015913.3
UniProt Accession #	O95881; Q5T1T4; Q96H50; B3KQSO

NCBI Official Full Name	thioredoxin domain-containing protein 12
NCBI Official Synonym Full Names	thioredoxin domain containing 12 (endoplasmic reticulum)
NCBI Official Symbol	TXNDC12
NCBI Official Synonym Symbols	AG1; AGR1; ERP16; ERP18; ERP19; TLP19; hAG-1; PDIA16; hTLP19
NCBI Protein Information	thioredoxin domain-containing protein 12
UniProt Protein Name	Thioredoxin domain-containing protein 12
UniProt Gene Name	TXNDC12
UniProt Synonym Gene Names	TLP19; ER protein 18; ERp18; ER protein 19; ERp19
UniProt Entry Name	TXD12_HUMAN

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/polyclonal/txndc12-antibody-immunohistochemistry-western-blot-elisa/283760>