

Datasheet for ABIN1881960
anti-TXN antibody (C-Term)



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3 Images **1** Publication

Overview

Quantity:	400 µL
Target:	TXN
Binding Specificity:	AA 66-94, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TXN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the C-terminal region of human TXN.
Clone:	RB42816
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Pig, Rb, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TXN
Alternative Name:	TXN (TXN Products)

Target Details

Background:	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. Induces the FOS/JUN AP-1 DNA-binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity. ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55).
Molecular Weight:	11737
NCBI Accession:	NP_001231867 , NP_003320
UniProt:	P10599
Pathways:	Carbohydrate Homeostasis , Cell RedoxHomeostasis

Application Details

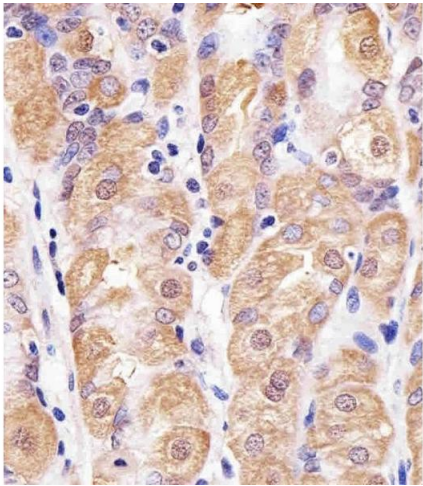
Application Notes:	WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

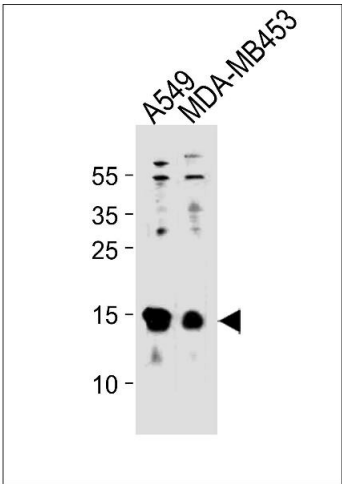
Publications

Product cited in:	Zheng, Ma, Sun, Yin, Lin, Liu, Xu, Zeng: "Butaselen prevents hepatocarcinogenesis and progression through inhibiting thioredoxin reductase activity." in: Redox biology , Vol. 14, pp. 237-249, (2018) (PubMed).
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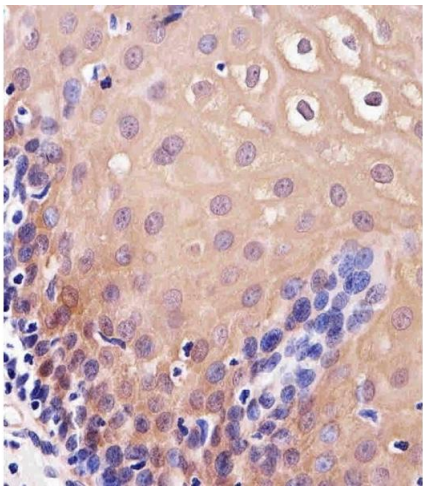
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. stomach section using TXN Antibody (C-term) (ABIN1881960 and ABIN2843269). (ABIN1881960 and ABIN2843269) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. TXN Antibody (C-term) (ABIN1881960 and ABIN2843269) western blot analysis in A549,MDA-M cell line lysates (35 µg/lane).This demonstrates the TXN antibody detected the TXN protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemical analysis of paraffin-embedded H. esophagus section using TXN Antibody (C-term) (ABIN1881960 and ABIN2843269). (ABIN1881960 and ABIN2843269) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.