

Rabbit anti-Human TXN Polyclonal Antibody | anti-TXN antibody

TXN Antibody

CATALOG # AAA306551	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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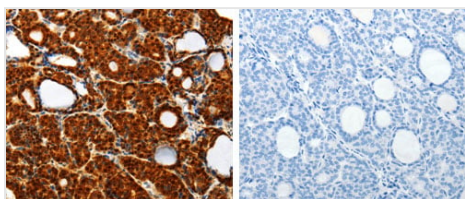
PRODUCT SYNONYMS

TXN; Polyclonal Antibody; TXN Antibody; Thioredoxin; TRX; TRDX; TRX1; anti-TXN antibody

PRODUCT SPECIFICATIONS

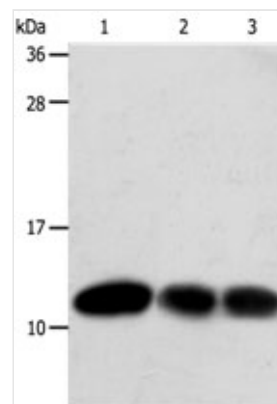
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total TXN protein.
Form/Format	Supplied at 1.2mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	105
Applicable Applications for anti-TXN antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 90-105 amino acids of human thioredoxin
Target Name	TXN
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded human thyroid cancer tissue using 31296 (TXN Antibody) at dilution 1/40, on the right is treated with the synthetic peptide.



Application Data

Gel: 12%SDS-PAGE Lane1: Hela cell tissue lysate Lane2: MCF7 cell tissue lysate Lane3: Human liver cancer tissue lysate Lysates: 40 ug per lane Primary antibody: 1/600 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 20 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-TXN antibody	The protein encoded by this gene acts as a homodimer and is involved in many redox reactions. The encoded protein is active in the reversible S-nitrosylation of cysteines in certain proteins, which is part of the response to intracellular nitric oxide. This protein is found in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. 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.
Product Categories/Family for anti-TXN antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	50592994
NCBI GeneID	7295
NCBI Accession #	NP_003320
NCBI GenBank Nucleotide #	NM_003329.3
Molecular Weight	9,452 Da
NCBI Official Full Name	thioredoxin isoform 1
NCBI Official Synonym Full Names	thioredoxin
NCBI Official Symbol	TXN
NCBI Official Synonym Symbols	TRX; TRDX; TRX1
NCBI Protein Information	thioredoxin
UniProt Protein Name	Thioredoxin
UniProt Gene Name	TXN
UniProt Synonym Gene Names	TRDX; TRX; TRX1; Trx; ADF; SASP
UniProt Entry Name	THIO_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://stage.aaabiotech.com/polyclonal/txn-antibody-immunohistochemistry-western-blot-elisa/306551>