

Datasheet for ABIN2792061  
**anti-TXN antibody (C-Term)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	100 µL
Target:	TXN
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Pig, Rabbit, Dog, Guinea Pig, Horse, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human TXN
Sequence:	NVIFLEVDVD DCQDVASECE VKCMPTFQFF KKGQKVGFEFS GANKEKLEAT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against TXN. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	TXN
Alternative Name:	TXN ( <a href="#">TXN Products</a> )

## Target Details

Background:	<p>TXN participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. It plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. It nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. It 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.</p> <p>ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55)</p> <p>Alias Symbols: TRDX, TRX, TRX1</p> <p>Protein Interaction Partner: NR3C1, GPX1, APEX1, SRP9, PARK2, TXNIP, UBD, Melk, NPM1, PAN2, UBL4A, UBC, DYNLT1, SIAH1, NFE2, MYD88, MYC, MLH1, IFIT3, CDKN1A, ACTN4, GPRASP2, HCVgp1, PRDX1, MAP3K5, SFXN1, UBL5, UBQLN4, TAX1BP3, AHCYL1, SSSCA1, SYNCRIP, WDR1, ATP6V1F, UBE2V1, UBE2D2, S</p> <p>Protein Size: 105</p>
Molecular Weight:	11 kDa
Gene ID:	7295
NCBI Accession:	<a href="#">NM_003329</a> , <a href="#">NP_003320</a>
UniProt:	<a href="#">P10599</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

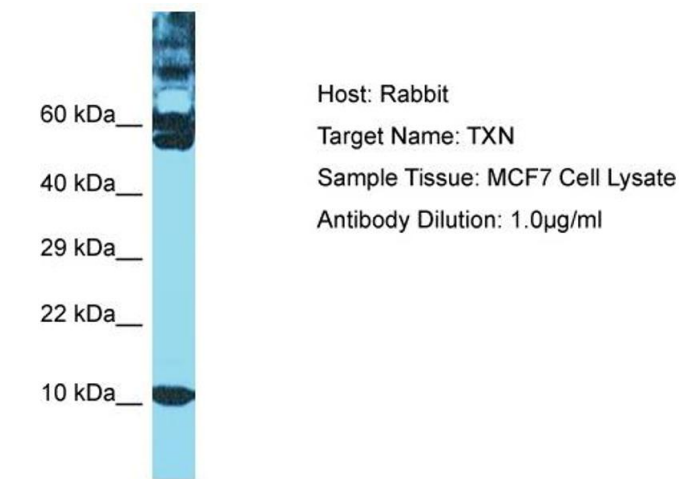
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

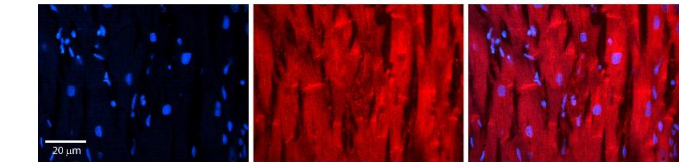
	should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



**Western Blotting**

**Image 1.** Host: Rabbit Target Name: TXN Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml



**Immunohistochemistry**

**Image 2.** Rabbit Anti-TXN Antibody Catalog Number: ARP72618\_P050 Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic near intercalated discs Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec