

Datasheet for ABIN668871  
**anti-TXN antibody (AA 51-105)**[Go to Product page](#)

1 Image

3 Publications

## Overview

Quantity:	100 µL
Target:	TXN
Binding Specificity:	AA 51-105
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Thioredoxin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	TXN
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## Target Details

Alternative Name:	Thioredoxin ( <a href="#">TXN Products</a> )
Background:	<p>Synonyms: TRX, TRDX, TRX1, Thioredoxin, ATL-derived factor, ADF, Surface-associated sulphydryl protein, SASP, TXN</p> <p>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).</p>
Gene ID:	7295
UniProt:	<a href="#">P10599</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

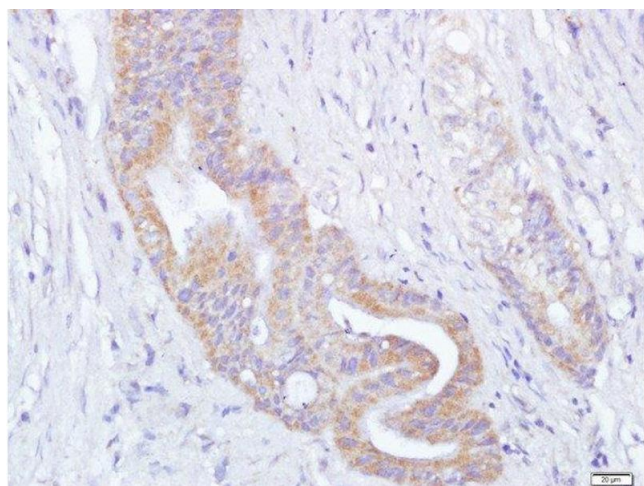
## Publications

Product cited in: Zhang, Hu, Guo, Wang, Zhao, Zhang, Yang, Yu, Niu, Yang, Zheng, Wang: "Screening and identification of post-traumatic stress-related serum factors in children with Wilms' tumors." in: **Oncology letters**, Vol. 11, Issue 2, pp. 1299-1304, (2016) ([PubMed](#)).

Gao, Yuan, Gao, Cai, Zhu, Liu, Wang, Wei, Huang, Liang, Gao: "Cytotoxicity and therapeutic effect of irinotecan combined with selenium nanoparticles." in: **Biomaterials**, Vol. 35, Issue 31, pp. 8854-66, (2014) ([PubMed](#)).

Li, Sun, Xiao, Sun: "First characterization of a teleost Epstein-Barr virus-induced gene 3 (EBI3) reveals a regulatory effect of EBI3 on the innate immune response of peripheral blood leukocytes." in: **Developmental and comparative immunology**, Vol. 41, Issue 4, pp. 514-22, (2013) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded human cervical carcinoma, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with Thioredoxin Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.