



Datasheet for ABIN7101611  
**anti-TXN antibody**



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2 Images

Overview

Quantity:	20 µL
Target:	TXN
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TXN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human Thioredoxin 1 (Trx1/TXN)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

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

## Target Details

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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. [provided by RefSeq, Oct 2011],TRDX, TRX, TRX1,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,RNA Binding,Signal Transduction,TXN

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Molecular Weight: 12 kDa

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Gene ID: 7295

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UniProt: [P10599](#)

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Pathways: [Carbohydrate Homeostasis](#), [Cell RedoxHomeostasis](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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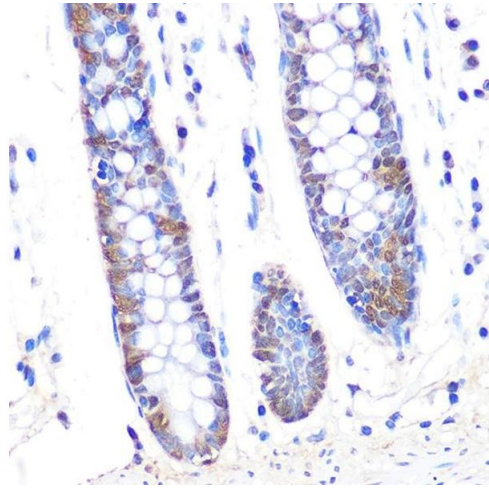
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

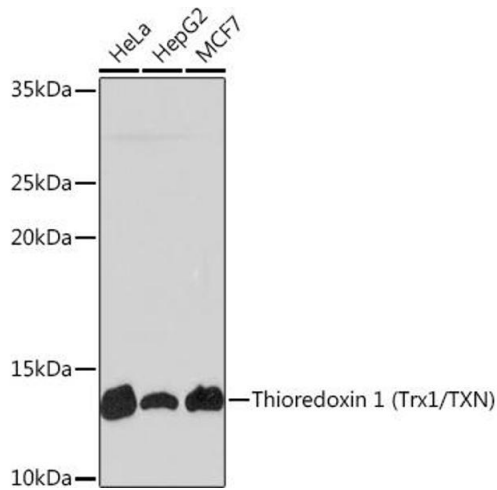
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (ABIN1679926, ABIN3018425, ABIN3018426 and ABIN7101611) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (ABIN1679926, ABIN3018425, ABIN3018426 and ABIN7101611) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.