

# Thioredoxin 1 (Trx1/TXN) Rabbit pAb

Catalog No.: A7638

4 Publications

## Basic Information

### Observed MW

12kDa

### Calculated MW

12kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC, IP

### Cross-Reactivity

Human, Mouse

## 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, 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.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:100 - 1:500
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

## Contact

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## Immunogen Information

### Gene ID

7295

### Swiss Prot

P10599

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 2-105 of human Trx1/Thioredoxin 1 (Trx1/TXN) (NP\_003320.2).

### Synonyms

TRX; TRDX; TRX1; Trx80; Thioredoxin 1 (Trx1/TXN)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

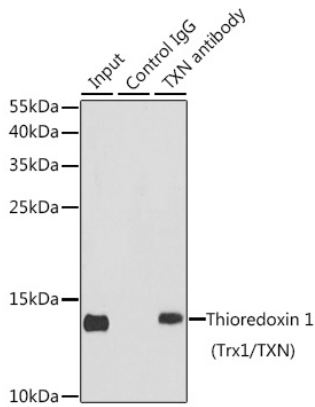
Affinity purification

### Storage

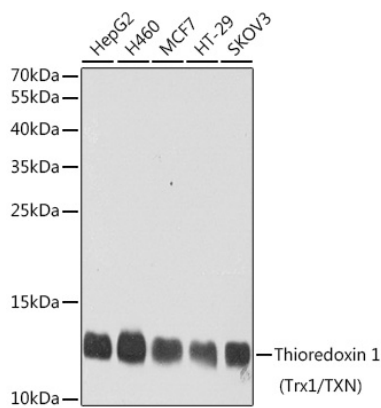
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Immunoprecipitation analysis of 150 µg extracts of MCF7 cells using 3 µg Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) antibody (A7638). Western blot was performed from the immunoprecipitate using Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) antibody (A7638) at a dilution of 1:500.



Western blot analysis of various lysates using Thioredoxin 1 (Trx1/TXN) Rabbit pAb (A7638) at 1:1000 dilution.

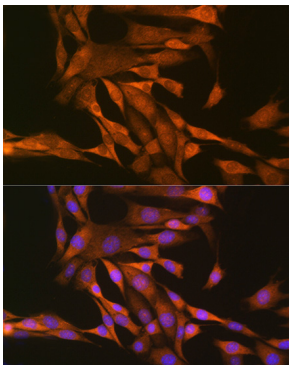
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

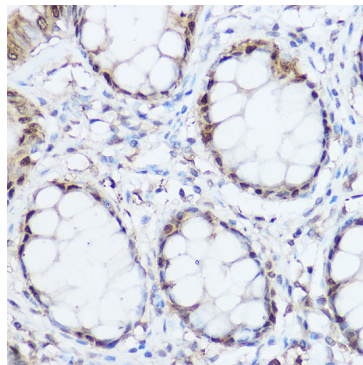
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunofluorescence analysis of NIH-3T3 cells using Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) Rabbit pAb (A7638) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) Rabbit pAb (A7638) at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.