

Thioredoxin 1 (Trx1/TXN) Rabbit pAb

Catalog No.: A0053

Basic Information

Catalog No.

A0053

Observed MW

12kDa

Calculated MW

9kDa/11kDa

Category

Primary antibody

Applications

WB, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IF	1:50 - 1:200

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.

Immunogen Information

Gene ID	Swiss Prot
7295	P10599

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) (NP_003320.2).

Synonyms

TXN;TRDX;TRX;TRX1

Contact

 | www.abclonal.com

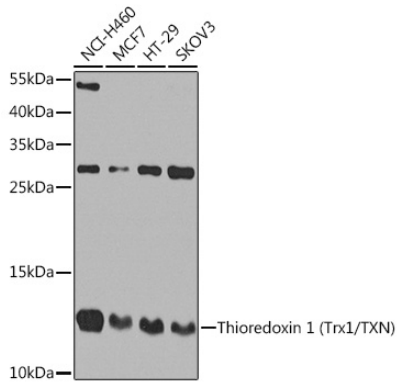
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

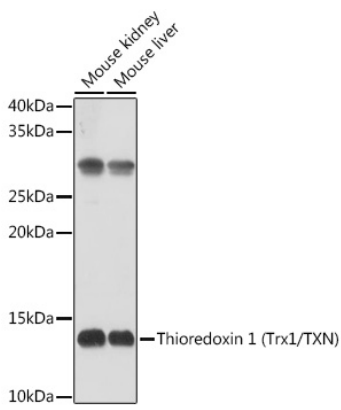
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

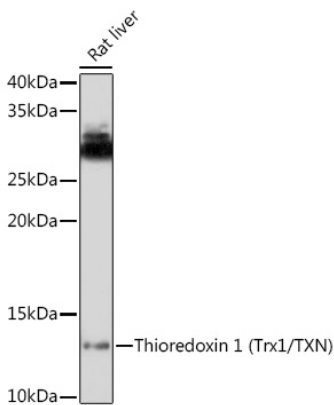
Validation Data



Western blot analysis of extracts of various cell lines, using Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) antibody (A0053) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

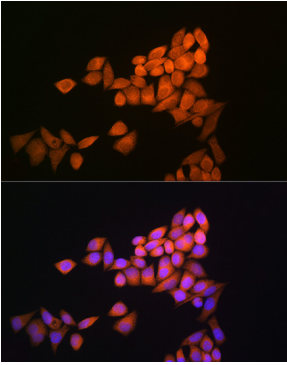


Western blot analysis of extracts of various cell lines, using Thioredoxin 1 (Trx1/TXN) antibody (A0053) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

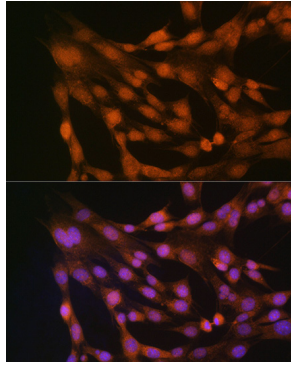


Western blot analysis of extracts of Rat liver, using Thioredoxin 1 (Trx1/TXN) antibody (A0053) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.

Validation Data



Immunofluorescence analysis of HeLa cells using Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) Rabbit pAb (A0053) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Thioredoxin 1 (Trx1/Thioredoxin 1 (Trx1/TXN)) Rabbit pAb (A0053) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.