

Thioredoxin 1 (Trx1/TXN) Rabbit mAb

Catalog No.: A4024 **Recombinant** **1 Publications**

Basic Information

Observed MW

14kDa

Calculated MW

12kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2658

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

WB 1:1000 - 1:6000

IHC-P 1:2000 - 1:8000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7295

Swiss Prot

P10599

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 26-105 of human Thioredoxin 1 (Trx1/TXN) (P10599).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

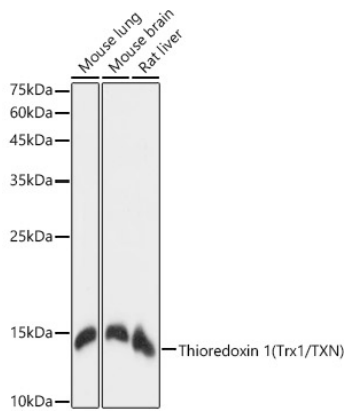
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (A4024) at 1:1000 dilution.

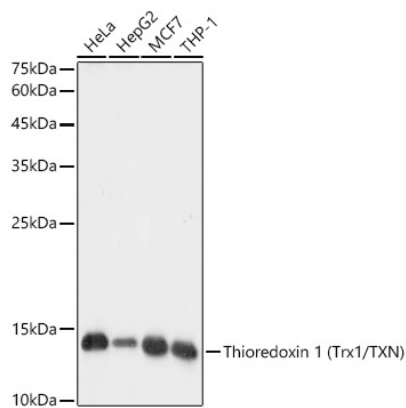
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates, using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (A4024) at 1:1000 dilution.

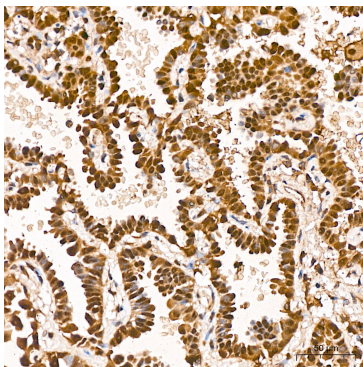
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

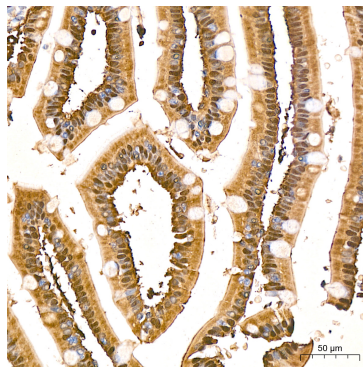
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

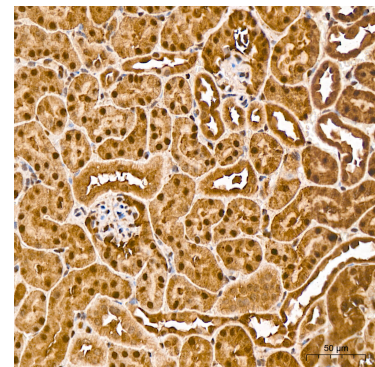
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma tissue using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (A4024) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (A4024) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (A4024) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.