# Thioredoxin 1 (Trx1/TXN) Rabbit mAb

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Catalog No.: A4024 Recombinant 1 Publications

# **Basic Information**

### **Observed MW**

12 kDa

#### **Calculated MW**

12 kDa

### 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** 1:2000 - 1:10000

1:1000 - 1:8000 **IHC-P** 

**ELISA** Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID Swiss Prot** 7295 P10599

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

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

# **Contact**

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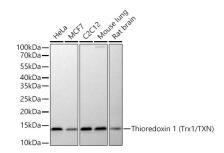
# **Product Information**

Source Isotype **Purification** Rabbit IgG Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using Thioredoxin 1 (Trx1/TXN) Rabbit mAb (A4024) at 1:10000 dilution incubated at room temperature for 1.5 hours.

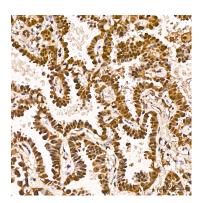
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25  $\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

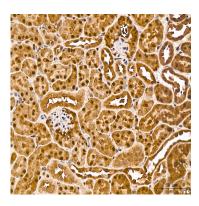
Exposure time: 90 s.



Immunohistochemistry analysis of paraffinembedded 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 paraffinembedded 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 paraffinembedded 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.