Leader in Biomolecular Solutions for Life Science

# Thioredoxin 1 (Trx1/TXN) Rabbit pAb

**ABclonal** ABclonal www.abclonal.com

Catalog No.: A0053

### **Basic Information**

### **Observed MW**

12kDa

### **Calculated MW**

12kDa

### Category

Polyclonal Antibody

#### **Applications**

WB,IF/ICC,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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**

1:100 - 1:500 WB

IF/ICC 1:50 - 1:200

## **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**

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

### **Contact**

• www.abclonal.com

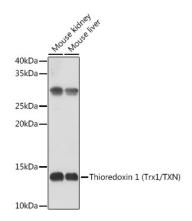
### **Product Information**

**Purification** Source Isotype Rabbit IgG Affinity purification

### Storage

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

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



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: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

Westegn 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.

40kDa—Uysates/proteins: 25µg per lane.

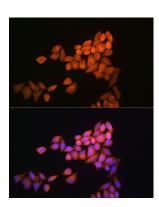
35kDa—Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.

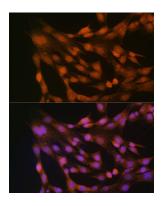
20kDa—

—Thioredoxin 1 (Trx1/TXN)



10kDa-

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.