

## TXN

**Reactivity:** Human

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 12kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human TXN

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

DKFZp686B1993; MGC61975; TRX; TRX1

**Catalog #:** A0537

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 7295

**Isotype:** IgG

**Swiss Prot:** P10599

**Purity:** Affinity purification

For research use only.

**Background:**

TXN, TRDX, TRX, TRX1, ADF and SASP, belongs to the thioredoxin family. It participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. TXN plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. TXN induces the FOS/JUN AP-1 DNA-binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity. This antibody is specific to TXN.

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