

# **Product datasheet for TA330906**

### **TXN Rabbit Polyclonal Antibody**

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human, Mouse

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for Anti-TXN antibody is: synthetic peptide directed towards the C-terminal

region of Human TXN. Synthetic peptide located within the following region:

NVIFLEVDVDDCQDVASECEVKCMPTFQFFKKGQKVGEFSGANKEKLEAT

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 11 kDa

Gene Name: thioredoxin

Database Link: NP 003320

Entrez Gene 7295 Human

P10599

**Background:** TXN participates in various redox reactions through the reversible oxidation of its active

center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. It plays a role

in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby

contributes to the response to intracellular nitric oxide. It nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. It 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.ADF augments the

expression of the interleukin-2 receptor TAC (IL2R/P55)



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#### TXN Rabbit Polyclonal Antibody - TA330906

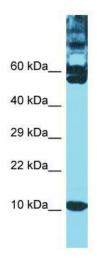
Synonyms: TRDX; TRX; TRX1

**Note:** Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%;

Horse: 93%; Sheep: 93%; Guinea pig: 86%

**Protein Families:** Druggable Genome

## **Product images:**



Host: Rabbit

Target Name: TXN

Sample Tissue: MCF7 Cell Lysate

Antibody Dilution: 1.0µg/ml

Host: Rabbit; Target Name: TXN; Sample Tissue: MCF7 Whole Cell lysates; Antibody Dilution:

1.0ug/ml