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**Research Use Only. Not for  
diagnostic or therapeutic use.**

Storage: For long-term storage  
keep aliquots at -20°C. (Store no  
longer than 12 months at 4°C).  
Minimize freezing and thawing.

## EB05510 - Goat Anti-Thioredoxin Reductase 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** thioredoxin reductase GRIM-12, oxidoreductase, KM-102-derived reductase-like factor, TRXR1, TR, MGC9145, GRIM-12, TXNR, TR1, thioredoxin reductase 1, TXNRD1

**Official Symbol:** TXNRD1

**Accession Number(s):** NP\_003321.2; NP\_877393.1; NP\_877419.1; NP\_877420.1; NP\_001087240.1

**Human GeneID(s):** [7296](#)

**Important Comments:** This antibody is expected to recognise reported isoform 1 (NP\_003321.2), isoform 2 (NP\_877393.1; NP\_877419.1; NP\_877420.1) and isoform 3 (NP\_001087240.1)

### Immunogen

Peptide with sequence TKRSGASILQAGC, from the C Terminus of the protein sequence according to NP\_003321.2; NP\_877393.1; NP\_877419.1; NP\_877420.1; NP\_001087240.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 60kDa band observed in Human Placenta lysates (predicted MW of 57kDa according to NP\_003321). Recommended for use at 0.1-1µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Pig

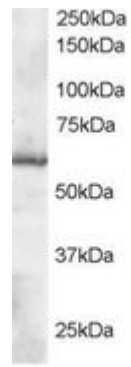
### Background Reference

Gasdaska PY, Gasdaska JR, Cochran S, Powis G.

Cloning and sequencing of a human thioredoxin reductase.

FEBS Lett. 1995 Oct 2;373(1):5-9.

**PMID:** 7589432



EB05510 staining (0.1 $\mu$ g/ml) of Human Placenta lysate (RIPA buffer, 35 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.