

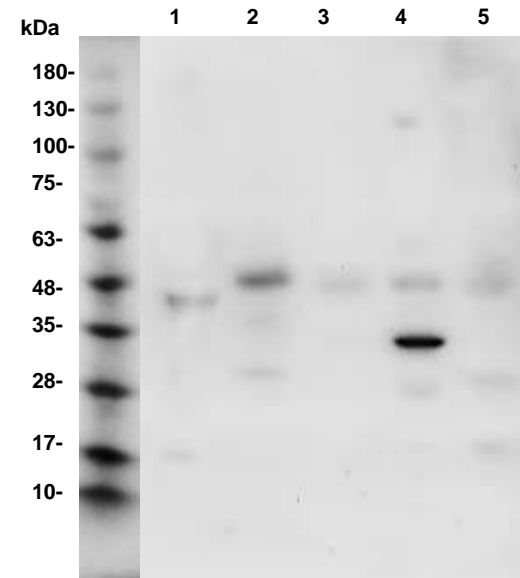
## Thioredoxin Reductase 1 (TXNRD1) Antibody

<b>ALTERNATE NAMES:</b>	Thioredoxin Reductase, GRIM-12, MGC9145, TR, TR1, TRXR1, TXNR.
<b>CATALOG NO:</b>	7005-30T 30 µg (Trial size) 7005-100 100 µg
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide of human TXNRD1 from the middle region
<b>INTERNAL ID:</b>	BV-P61
<b>PURIFICATION:</b>	Affinity purified rabbit IgG
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	0.5 mg/ml of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin® and 50 % glycerol.
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** Thioredoxin reductase 1 is an enzyme that in humans is encoded by the TXNRD1 gene. This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. The functional enzyme is thought to be a homodimer which uses FAD as a cofactor. Inhibition of TXNRD1 activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases.

**APPLICATION:** Western blot: 1-4 µg

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



**Western blot with human TXNRD1 antibody:**

Lane 1: 22 µg human serum  
Lane 2: 60 µg 3T3 cell lysate  
Lane 3: 22 µg mouse muscle  
Lane 4: 60 µg rat kidney  
Lane 5: 80 µg rat liver

**RELATED PRODUCTS:**

- Thioredoxin Reductase 1 (19A1) Monoclonal Antibody (Cat. No. 6164-100)
- Thioredoxin 1 (3A1) Monoclonal Antibody (Cat. No. 6166-100)
- Thioredoxin Reductase 2 (7B2) Monoclonal Antibody (Cat. No. 6165-100)
- Thioredoxin 2 (4C5) Monoclonal Antibody (Cat. No. 6167-100)
- Thioredoxin Reductase Assay kit (Cat. No. K763-100)
- Human Recombinant Thioredoxin 1 (Cat. No. 6305-100)
- Human Recombinant Thioredoxin 2 (Cat. No. 6318-100)
- E. Coli Recombinant Thioredoxin 1 (Cat. No. 6329-50)
- E. Coli Recombinant TRXB (Cat. No. 6331-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**