



TXNRD2 Antibody

E2200729**Size** 100ug**Cat code** E2200729**Species Cross-reactivity** H**Key Application** WB: 1/500-1/2000; ELISA: 1/2000-1/5000; IHC: 1/50-1/200**Host** Mouse**Antibody type** Monoclonal antibody**Purified method** null**Isotype** IgG1**Molecular Weight** 56kDa

Sensitivity This antibody detects endogenous levels of TXNRD2 and does not cross-react with related proteins.

Immunogen Purified recombinant human TXNRD2 protein fragments expressed in E.coli.

UniProt Number Q9NNW7

GeneBank ID NM_006440.3

Subcellular location Mitochondrion

Formulation ascites

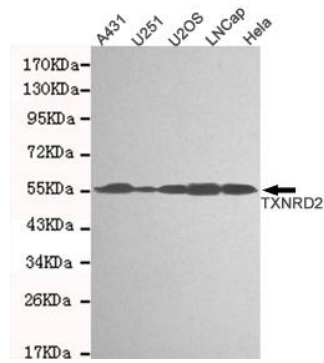
Altername Selenoprotein Z;TR-beta;Thioredoxin reductase TR3

Gene_symbol TR; TR3; SELZ; TRXR2; TR-BETA

UniPort summary Function Maintains thioredoxin in a reduced state. Implicated in the defenses against oxidative stress. May play a role in redox-regulated cell signaling. Maintains thioredoxin in a reduced state. Implicated in the defenses against oxidative stress. May play a role in redox-regulated cell signaling. Maintains thioredoxin in a reduced state. Implicated in the defenses against oxidative stress. May play a role in redox-regulated cell signaling. Maintains thioredoxin in a reduced state. Implicated in the defenses against oxidative stress. May play a role in redox-regulated cell signaling.

Entrez summary Thioredoxin reductase (TR) is a dimeric NADPH-dependent FAD containing enzyme that catalyzes the reduction of the active site disulfide of thioredoxin and other substrates. TR is a member of a family of pyridine nucleotide-disulfide oxidoreductases and is a key enzyme in the regulation of the intracellular redox environment. Three thioredoxin reductase genes have been found that encode selenocysteine containing proteins. This gene partially overlaps the COMT gene on chromosome 22.

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Western blot detection of TXNRD2 in A431,U251, U2OS,LNCAP&Hela cell lysates and using TXNRD2 antibody (1:1000 diluted). Predicted band size: 56KDa Observed band size: 56KDa.