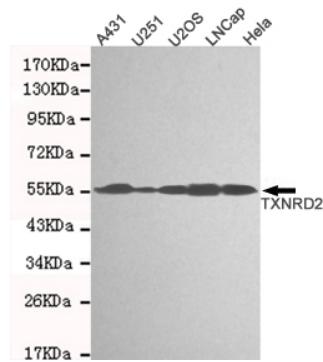




TXNRD2 Antibody

E2200729

Catalog Number: E2200729**Size:** 100ug**Host:** Mouse**Formulation:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol**Sensitivity:** This antibody detects endogenous levels of TXNRD2 and does not cross-react with related proteins.**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.**UniPort summary:** Maintains thioredoxin in a reduced state. Implicated in the defenses against oxidative**Function:** 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.**Immunogen:** Purified recombinant human TXNRD2 protein fragments expressed in E.coli.**Antibody Type:** Monoclonal antibody**Isotype:** IgG1**Purified method:** Affinity purified**Subcellular location:** Mitochondrion**Reactivity:** H**Applications:** WB**Molecular Weight:** 56kDa**UniProt number:** Q9NNW7**GeneBank ID:** NM_006440.3**Gene symbol:** TR; TR3; SELZ; TRXR2; TR-BETA**Alternate names:** Selenoprotein Z;TR-beta;Thioredoxin reductase TR3



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.