

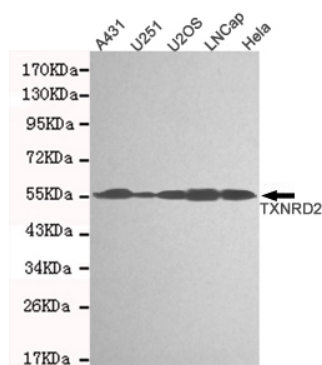


TXNRD2 Antibody

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 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.
Function:	
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

For Research Use Only



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.