

## TXNRD2 Antibody

Purified Mouse Monoclonal Antibody (Mab)  
 Catalog # AP52761-100 □

### Specification

#### TXNRD2 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">Q9NNW7</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	56 KDa

#### TXNRD2 Antibody - Additional Information

Gene ID 10587

#### Other Names

mitochondrial;selenoprotein Z;SELZ;Thioredoxin reductase 2;Thioredoxin reductase 2 mitochondrial;thioredoxin reductase 3;thioredoxin reductase beta;Thioredoxin reductase TR3;TR 3;TR;TR beta;TR-beta;TRXR 2;TRXR2;TRXR2\_HUMAN;TXNRD 2;Txnrd2.

#### Dilution

WB~1:1000

#### Format

ascites

#### Storage

Store at -20 °C.Stable for 12 months from date of receipt

#### TXNRD2 Antibody - Protein Information

Name TXNRD2

Synonyms KIAA1652, TRXR2

#### Function

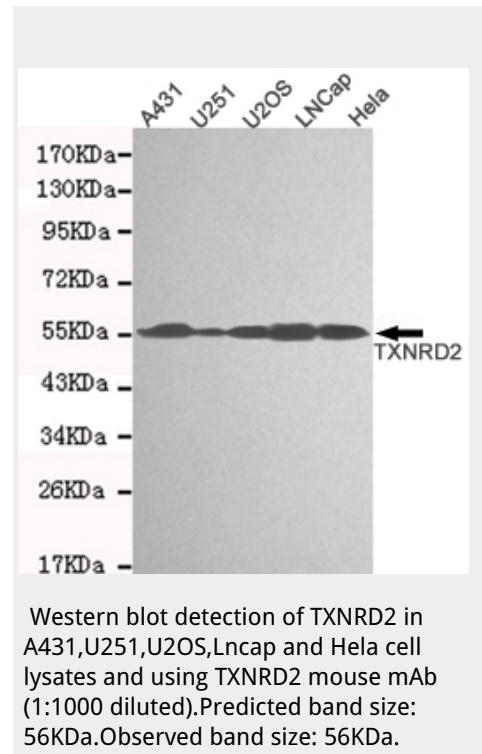
Involved in the control of reactive oxygen species levels and the regulation of mitochondrial redox homeostasis (PubMed:<a href="http://www.uniprot.org/citations/24601690" target="\_blank">24601690</a>). Maintains thioredoxin in a reduced state. May play a role in redox-regulated cell signaling.

#### Cellular Location

Mitochondrion.

#### Tissue Location

Highly expressed in the prostate, ovary, liver, testis, uterus, colon and small intestine. Intermediate levels in brain, skeletal muscle, heart and spleen. Low levels in placenta, pancreas, thymus and peripheral blood leukocytes According to PubMed:10608886, high levels in kidney, whereas according to PubMed:9923614, levels are low. High expression is observed



in the adrenal cortex (PubMed:24601690)

### TXNRD2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TXNRD2 Antibody - Background

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

### TXNRD2 Antibody - References

Sun Q.-A., et al. *J. Biol. Chem.* 274:24522-24530(1999). Gasdaska P.Y., et al. *FEBS Lett.* 442:105-111(1999). Miranda-Vizuet A., et al. *Eur. J. Biochem.* 261:405-412(1999). Toji S., et al. Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases. Lescure A., et al. *J. Biol. Chem.* 274:38147-38154(1999).