

Anti-TXNRD2 Antibody (3F2-E12-F10)
Mouse Monoclonal Antibody
Catalog # ABV12055**Specification**

Anti-TXNRD2 Antibody (3F2-E12-F10) - Product Information

Application	WB
Primary Accession	Q9NNW7
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1

Anti-TXNRD2 Antibody (3F2-E12-F10) - Additional Information**Gene ID** 10587**Application & Usage****WB: A431, U251, U2OS, Lncap and Hela cell lysates****Other Names**

Thioredoxin reductase 2, mitochondrial, Selenoprotein Z, SelZ, TR-beta, Thioredoxin reductase TR3, KIAA1652, TRXR2

Target/Specificity

TXNRD2

Antibody Form

Liquid

Appearance

Colorless liquid

FormulationIn PBS (pH 7.4) containing with 0.02% NaN₃ & 50% glycerol**Handling**

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Anti-TXNRD2 Antibody (3F2-E12-F10) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-TXNRD2 Antibody (3F2-E12-F10) - Protein Information

Name TXNRD2 ([HGNC:18155](#))

Synonyms KIAA1652, TRXR2

Function

Involved in the control of reactive oxygen species levels and the regulation of mitochondrial redox homeostasis (PubMed:24601690). Maintains thioredoxin in a reduced state. May play a role in redox- regulated cell signaling.

Cellular Location

Mitochondrion.

Tissue Location

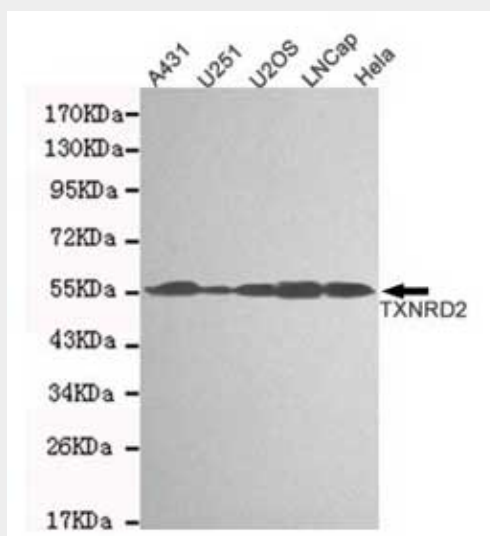
Highly expressed in the prostate, ovary, liver, testis, uterus, colon and small intestine. Intermediate levels in brain, skeletal muscle, heart and spleen. Low levels in placenta, pancreas, thymus and peripheral blood leukocytes. According to PubMed:10608886, high levels in kidney, whereas according to PubMed:9923614, levels are low. High expression is observed in the adrenal cortex (PubMed:24601690).

Anti-TXNRD2 Antibody (3F2-E12-F10) - 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](#)

Anti-TXNRD2 Antibody (3F2-E12-F10) - Images



Western blot detection of TXNRD2 in A431, U251, U20S, Lncap and HeLa cell lysates and using

TXNRD2 mouse mAb

Anti-TXNRD2 Antibody (3F2-E12-F10) - Background

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