

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

Mouse Monoclonal Antibody

Catalog # ABV12055

Product Information

Application	WB
Primary Accession	Q9NNW7
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	3F2-E12-F10
Calculated MW	56507

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
Formulation	In PBS (pH 7.4) containing with 0.02% NaN ₃ & 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.

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.

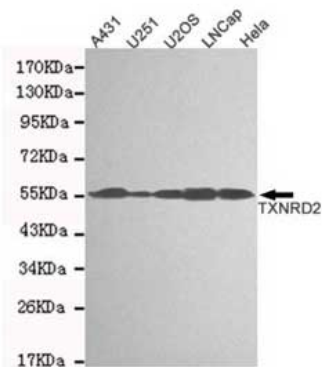
Tissue Location

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).

Background

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

Images



Western blot detection of TXNRD2 in A431, U251, U2OS, Lncap and HeLa cell lysates and using TXNRD2 mouse mAb

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.