

Anti-TXNRD2 Rabbit Monoclonal Antibody

Catalog # ABO15747

Product Information

Application	WB, IHC
Primary Accession	Q9NNW7
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-TXNRD2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	10587
Other Names	Thioredoxin reductase 2, mitochondrial, 1.8.1.9, Selenoprotein Z, SelZ, TR-beta, Thioredoxin reductase TR3, TXNRD2 (HGNC:18155), KIAA1652, TRXR2
Calculated MW	56507
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 23T23
Immunogen	A synthesized peptide derived from human TXNRD2
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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.

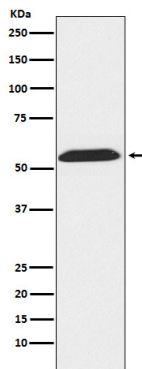
Cellular Location

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).

Images



Western blot analysis of TXNRD2 expression in LnCap cell lysate.

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