

KD-Validated Anti-Thioredoxin reductase 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1491

Product Information

Application	WB, FC
Primary Accession	Q9NNW7
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4925
Calculated MW	56507
Gene Name	TXNRD2
Aliases	TXNRD2; Thioredoxin Reductase 2; TRXR2; Selenoprotein Z; SELZ; TR3; TR; Thioredoxin Reductase 2, Mitochondrial; Thioredoxin Reductase Beta; Thioredoxin Reductase TR3; EC 1.8.1.9 4; TXNR2; Thioredoxin Reductase 3; KIAA1652; EC 1.8.1; TR-BETA; TR-Beta; GCCD5; SelZ
Immunogen	A synthesized peptide derived from human TXNRD2

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

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).

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