

TXNRD2 Rabbit mAb

Catalog # AP76219

Product Information

Application	WB, IHC-P
Primary Accession	Q9NNW7
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	56507

Additional Information

Gene ID	10587
Other Names	TXNRD2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

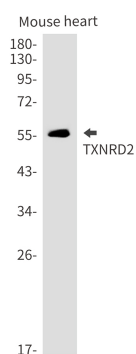
Protein Information

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).

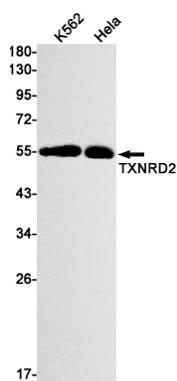
Background

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

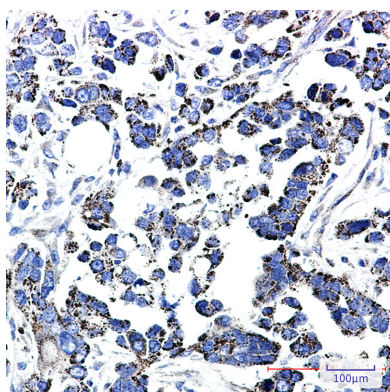
Images



Western blot analysis of TXNRD2 in mouse heart lysates using Thioredoxin Reductase 2 antibody.



Western blot analysis of TXNRD2 in K562, HeLa lysates using TXNRD2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using TXNRD2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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