

TRXR2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50191

Product Information

Application	WB, IHC
Primary Accession	Q9NNW7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	56507

Additional Information

Gene ID	10587
Other Names	Thioredoxin reductase 2, mitochondrial, Selenoprotein Z, SelZ, TR-beta, Thioredoxin reductase TR3, TXNRD2, KIAA1652, TRXR2
Dilution	WB~~ 1:500-1:1000 IHC~~1:50-1:100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20°C

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).

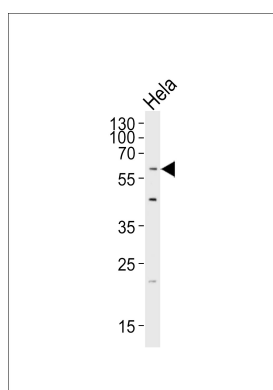
Background

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

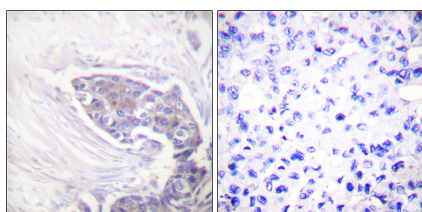
References

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Miranda-Vizuite A.,et al.Eur. J. Biochem. 261:405-412(1999).
Toji S.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Lescure A.,et al.J. Biol. Chem. 274:38147-38154(1999).

Images



Western blot analysis of lysate from HeLa cell line,using TRXR2 Antibody(C0378). C0378 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using TRXR2 antibody.

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