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# TRXR2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50191

## Product Information

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

## Additional Information

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|---|---|
| **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℃ |

## Protein Information

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|---|---|
| **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). |

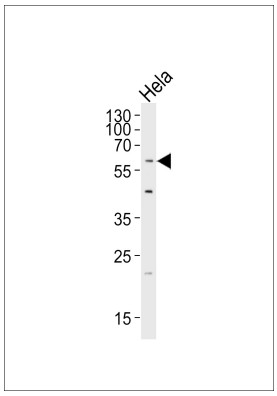
## Background

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

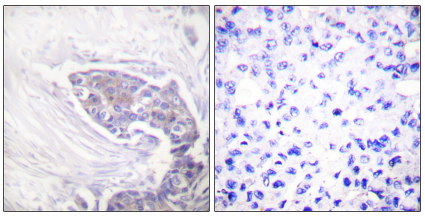
## References

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Gasdaska P.Y.,et al.FEBS Lett. 442:105-111(1999).
Miranda-Vizuete 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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