

**TrxR2 Polyclonal Antibody**  
Catalog # AP72935**Specification****TrxR2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9NNW7</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**TrxR2 Polyclonal Antibody - Additional Information****Gene ID** 10587**Other Names**

TXNRD2; KIAA1652; TRXR2; Thioredoxin reductase 2; mitochondrial; Selenoprotein Z; SelZ; TR-beta; Thioredoxin reductase TR3

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**TrxR2 Polyclonal Antibody - 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:&lt;a href="http://www.uniprot.org/citations/24601690" target="\_blank"&gt;24601690&lt;/a&gt;). 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,

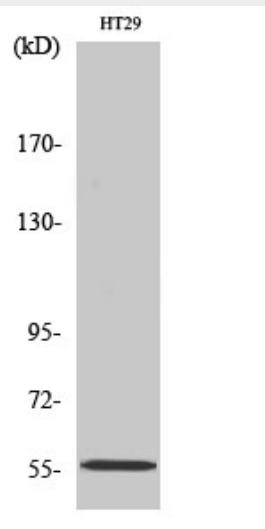
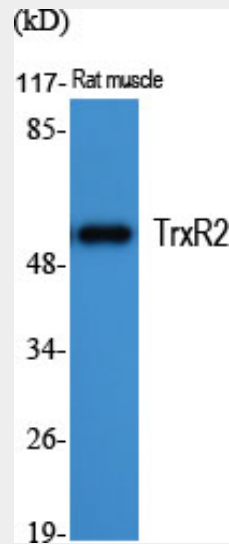
whereas according to PubMed:9923614, levels are low. High expression is observed in the adrenal cortex (PubMed:24601690).

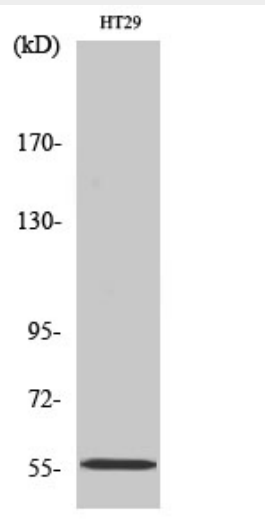
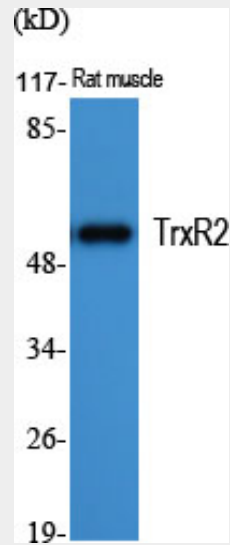
### TrxR2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TrxR2 Polyclonal Antibody - Images





### TrxR2 Polyclonal Antibody - Background

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.