

TXNRD2

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 57kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human TXNRD2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

TR; TR3; SELZ; TRXR2; TR-BETA;

Catalog #: A5490

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10587

Isotype: IgG

Swiss Prot: Q9NNW7

Purity: Affinity purification

For research use only.

Background:

This gene encodes a member of the class I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein is a selenocysteine-containing flavoenzyme that maintains thioredoxins in a reduced state, thereby playing a key role in regulating the cellular redox environment. Mammals have three related thioredoxin reductases. This gene encodes a mitochondrial form important for scavenging of reactive oxygen species in mitochondria. Alternatively spliced transcript variants encoding different isoforms have been described.

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