

TXNRD1 Rabbit Polyclonal Antibody



CAB16631

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

65kDa

Calculated MW:

50kDa/54kDa/59kDa/60kDa/
65kDa/67kDa/70kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:100 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. The functional enzyme is thought to be a homodimer which uses FAD as a cofactor. Each subunit contains a selenocysteine (Sec) residue which is required for catalytic activity. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenocysteine-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing results in several transcript variants encoding the same or different isoforms.

Immunogen information

Gene ID:

7296

Uniprot

Q16881

Synonyms:

TXNRD1; GRIM-12; TR; TR1; TRXR1; TXNR

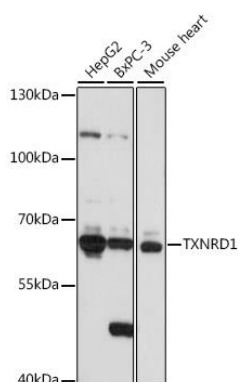
Immunogen:

Recombinant protein of human TXNRD1

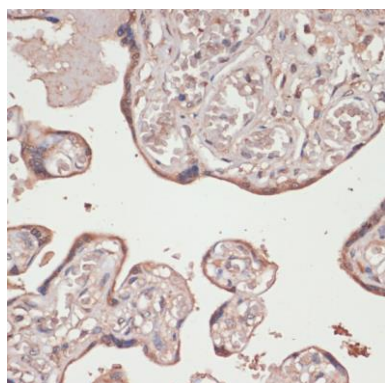
Storage:

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

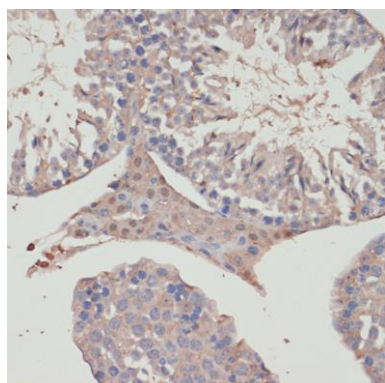
Product Images



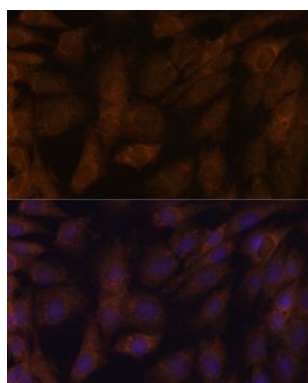
Western blot analysis of extracts of various cell lines, using TXNRD1 antibody (CAB16631) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human placenta using TXNRD1 antibody (CAB16631) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using TXNRD1 antibody (CAB16631) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using TXNRD1 antibody (CAB16631) at dilution of 1:100. Blue: DAPI for nuclear staining.