

TXNRD3 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15151**Specification**

TXNRD3 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q86VQ6
Other Accession	NM_052883 , NP_443115
Reactivity	Human, Mouse, Rabbit
Predicted	Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70kDa KDa

TXNRD3 Antibody - N-terminal region - Additional Information**Gene ID** 114112**Alias Symbol** TGR, TR2, TRXR3**Other Names**

Thioredoxin reductase 3, 1.8.1.9, Thioredoxin and glutathione reductase, Thioredoxin reductase TR2, TXNRD3 {ECO:0000312|EMBL:AAH50032.1}

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TXNRD3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TXNRD3 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TXNRD3 Antibody - N-terminal region - Protein Information**Name** TXNRD3 {ECO:0000312|EMBL:AAH50032.1, ECO:0000312|HGNC:HGNC:20667}**Function**

Displays thioredoxin reductase, glutaredoxin and glutathione reductase activities. Catalyzes disulfide bond isomerization. Promotes disulfide bond formation between GPX4 and various sperm proteins and may play a role in sperm maturation by promoting formation of sperm structural components (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q99MD6}. Nucleus {ECO:0000250|UniProtKB:Q99MD6}. Microsome {ECO:0000250|UniProtKB:Q99MD6}. Endoplasmic reticulum Note=Detected in

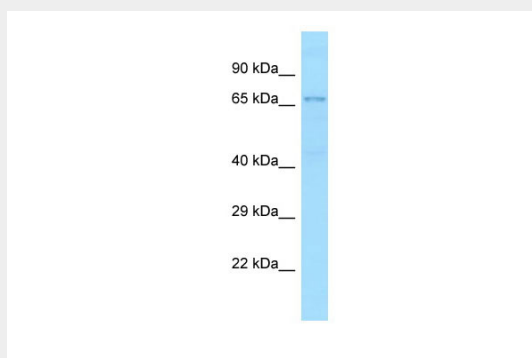
cytoplasm and nucleus in late spermatids {ECO:0000250|UniProtKB:Q99MD6}

TXNRD3 Antibody - N-terminal region - 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](#)

TXNRD3 Antibody - N-terminal region - Images



WB Suggested Anti-TXNRD3 Antibody Titration: 1.0 µg/ml
Positive Control: OVCAR-3 Whole Cell

TXNRD3 Antibody - N-terminal region - References

Muzny D.M., et al. Nature 440:1194-1198(2006).
Sun Q.-A., et al. J. Biol. Chem. 274:24522-24530(1999).
Miranda-Vizuite A., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Gerashchenko M.V., et al. J. Biol. Chem. 285:4595-4602(2010).