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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}

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

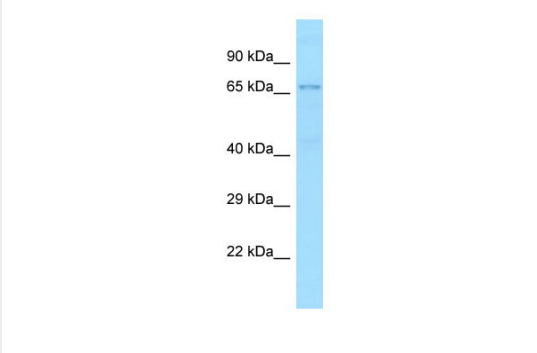
cytoplasm and nucleus in late spermatids {ECO:0000250|UniProtKB:Q99MD6}

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 Cytomety
- 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-Vizuete 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).