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TXNDC3 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2762a

Specification

TXNDC3 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q8N427
Other Accession	NP_057700.3, 51314
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**67270**

TXNDC3 Antibody (internal region) - Additional Information

Gene ID 51314

Other Names
Thioredoxin domain-containing protein 3, NM23-H8, NME/NM23 family member 8, Spermatid-specific thioredoxin-2, Sptrx-2, NME8, SPTRX2, TXNDC3

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TXNDC3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TXNDC3 Antibody (internal region) - Protein Information

Name NME8 (HGNC:16473)

Synonyms SPTRX2, TXNDC3

Function
Probably required during the final stages of sperm tail maturation in the testis and/or epididymis, where extensive disulfide bonding of fibrous sheath (FS) proteins occurs. In vitro, it has neither nucleoside diphosphate kinase (NDPK) activity nor reducing activity on disulfide bonds (PubMed:11737268). Exhibits a 3'-5' exonuclease activity with a preference for single-stranded DNA, suggesting roles in

DNA proofreading and repair (PubMed:16313181).

Cellular Location
Cytoplasm.

Tissue Location
Testis-specific. Expressed only in primary spermatocytes and round spermatids.

TXNDC3 Antibody (internal 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

TXNDC3 Antibody (internal region) - Images

TXNDC3 Antibody (internal region) - References

A common variant in combination with a nonsense mutation in a member of the thioredoxin family causes primary ciliary dyskinesia. Duriez B, Duquesnoy P, Escudier E, Bridoux AM, Escalier D, Rayet I, Marcos E, Vojtek AM, Bercher JF, Amselem S. Proc Natl Acad Sci U S A. 2007 Feb 27;104(9):3336-41. Epub 2007 Feb 20. Erratum. PMID: 17360648