

TXNDC3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant TXNDC3.****Catalog # AT4416a****Specification**

TXNDC3 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	Q8N427
Other Accession	NM_016616
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	67270

TXNDC3 Antibody (monoclonal) (M01) - 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

Target/Specificity

TXNDC3 (NP_057700, 530 a.a. ~ 586 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

TXNDC3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

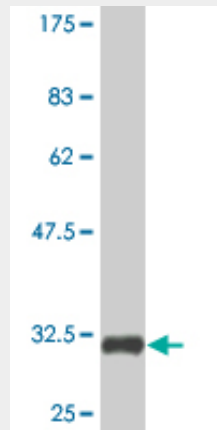
TXNDC3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

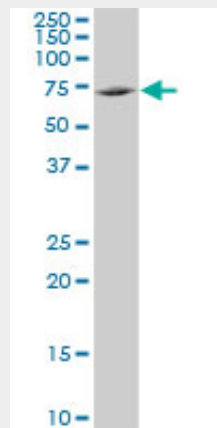
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TXNDC3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.01 kDa) .



TXNDC3 monoclonal antibody (M01), clone 1G5. Western Blot analysis of TXNDC3 expression in Jurkat (Cat # AT4416a)

TXNDC3 Antibody (monoclonal) (M01) - Background

This gene encodes a protein with an N-terminal thioredoxin domain and three C-terminal nucleoside diphosphate kinase (NDK) domains, but the NDK domains are thought to be catalytically inactive. The sea urchin ortholog of this gene encodes a component of sperm outer dynein arms, and the protein is implicated in ciliary function. Mutations in this gene are implicated in primary ciliary dyskinesia type 6.

TXNDC3 Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Field synopsis and synthesis of genetic association studies in osteoarthritis: the CUMAGAS-OSTEO information system. Zintzaras E, et al. Am J Epidemiol, 2010 Apr 15. PMID 20237151. Nme protein family evolutionary history, a

vertebrate perspective. Desvignes T, et al. BMC Evol Biol, 2009 Oct 23. PMID 19852809. Association of single-nucleotide polymorphisms in RHOB and TXNDC3 with knee osteoarthritis susceptibility: two case-control studies in East Asian populations and a meta-analysis. Shi D, et al. Arthritis Res Ther, 2008. PMID 18471322. A common variant in combination with a nonsense mutation in a member of the thioredoxin family causes primary ciliary dyskinesia. Duriez B, et al. Proc Natl Acad Sci U S A, 2007 Feb 27. PMID 17360648.