

## 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 | <a href="#">Q8N427</a>    |
| Other Accession   | <a href="#">NM_016616</a> |
| 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 .

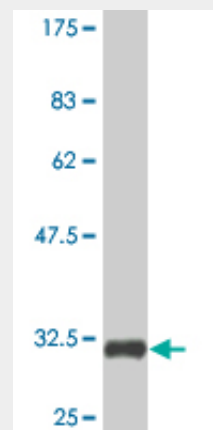
#### Storage

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

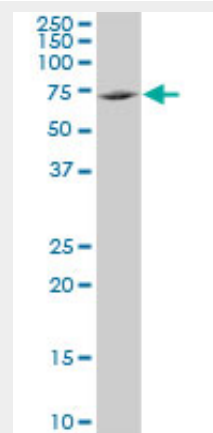
#### Precautions

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

#### TXNDC3 Antibody (monoclonal) (M01) -



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

## 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](#)

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.