Datasheet for ABIN7599402

anti-TXNDC3/NME8 antibody (AA 1-446)

Go to Product page

Overview

Quantity:	100 µg
Target:	TXNDC3/NME8 (TXNDC3)
Binding Specificity:	AA 1-446
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNDC3/NME8 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TXNDC3/NME8 Antibody Picoband®
Immunogen:	E.coli-derived human TXNDC3/NME8 recombinant protein (Position: M1-H446). Human TXNDC3/NME8 shares 63% and 61.2% amino acid (aa) sequence identity with mouse and rat TXNDC3/NME8, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-TXNDC3-NME8 Antibody Picoband® (ABIN7599402). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	TXNDC3/NME8 (TXNDC3)
Alternative Name:	NME8 (TXNDC3 Products)
Background:	Synonyms: NME8, SPTRX2, TXNDC3, Thioredoxin domain-containing protein 3, NM23-H8, NME/NM23 family member 8, Spermatid-specific thioredoxin-2, Sptrx-2 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.
Molecular Weight:	67 kDa
Gene ID:	51314
UniProt:	Q8N427
Pathways:	Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process, Cell RedoxHomeostasis

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Duriez, B., Duquesnoy, P., Escudier, E., Bridoux, A.-M., Escalier, D., Rayet, I., Marcos, E., Vojtek, A.-M., Bercher, J.-F., Amselem, S. A common variant in combination with a nonsense mutation in a member of the thioredoxin family causes primary ciliary dyskinesia. Proc. Nat. Acad. Sci. 104: 3336-3341, 2007. Note: Erratum: Proc. Nat. Acad. Sci. 104: 6490 only, 2007. 2. Sadek, C. M., Damdimopoulos, A. E., Pelto-Huikko, M., Gustafsson, J.-A., Spyrou, G., Miranda-Vizuete, A. Sptrx-2, a fusion protein composed of one thioredoxin and three tandemly repeated NDP-kinase domains is expressed in human testis germ cells. Genes Cells 6: 1077-1090, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.