

Rabbit anti-Human, Rat TXNDC3/NME8 Polyclonal Antibody | anti-TXNDC3/NME8 antibody

Anti-TXNDC3/NME8 Antibody Picoband

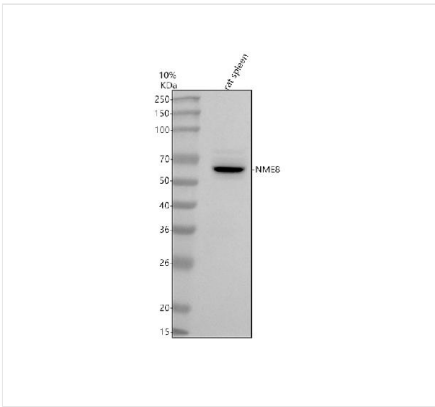
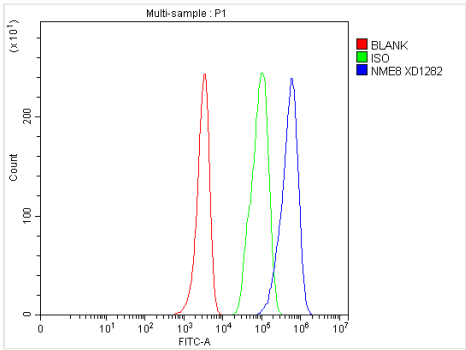
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128203	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TXNDC3/NME8; Polyclonal Antibody; Anti-TXNDC3/NME8 Antibody Picoband; Thioredoxin domain-containing protein 3; NME/NM23 family member 8; NME8; SPTRX2; TXNDC3; NM23-H8; Spermatid-specific thioredoxin-2; Sptrx-2; anti-TXNDC3/NME8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-TXNDC3/NME8 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
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.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HEL cells using anti-TXNDC3/NME8 antibody (AAA128203).Overlay histogram showing HEL cells stained with AAA128203 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TXNDC3/NME8 Antibody (AAA128203, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

WB (Western Blot)

Figure 1. Western blot analysis of TXNDC3/NME8 using anti-TXNDC3/NME8 antibody (AAA128203).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat spleen tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TXNDC3/NME8 antigen affinity purified polyclonal antibody (AAA128203) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TXNDC3/NME8 at approximately 67 kDa. The expected band size for TXNDC3/NME8 is at 67 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TXNDC3/NME8 antibody	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 Categories/Family for anti-TXNDC3/NME8 antibody	Primary Antibodies
References	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148839372
NCBI GeneID	51314
NCBI Accession #	NP_057700
NCBI GenBank Nucleotide #	NM_016616
UniProt Accession #	Q8N427; Q9NZH1
Molecular Weight	67,270 Da
NCBI Official Full Name	thioredoxin domain-containing protein 3
NCBI Official Synonym Full Names	NME/NM23 family member 8
NCBI Official Symbol	NME8

NCBI Official Synonym Symbols	CILD6; SPTRX2; TXNDC3; NM23-H8; sptrx-2
NCBI Protein Information	thioredoxin domain-containing protein 3; sperm-specific thioredoxin 2; spermatid-specific thioredoxin-2; thioredoxin domain containing 3 (spermatozoa)
UniProt Protein Name	Thioredoxin domain-containing protein 3
UniProt Gene Name	NME8
UniProt Synonym Gene Names	SPTRX2; TXNDC3; Sptrx-2
UniProt Entry Name	TXND3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/txndc3-nme8-antibody-flow-cytometry-western-blot-elisa/128203>