

# Mouse anti-Human Thioredoxin Domain-containing Protein 4 Monoclonal Antibody | anti-TXNDC4 antibody

Thioredoxin Domain-containing Protein 4 (TXNDC4, Endoplasmic Reticulum Resident Protein 44, ER Protein 44, ERp44, KIAA0573, PDIA10, UNQ532/PRO1075) (Biotin)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                   |
|-----------|-------|------------|----------------------------------------------------------------|
| AAA24990  | Mouse | Human      | ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot |

## PRODUCT SYNONYMS

Thioredoxin Domain-containing Protein 4; Monoclonal Antibody; Thioredoxin Domain-containing Protein 4 (TXNDC4; Endoplasmic Reticulum Resident Protein 44; ER Protein 44; ERp44; KIAA0573; PDIA10; UNQ532/PRO1075) (Biotin); anti-TXNDC4 antibody

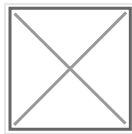
## PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                        |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                  |
| Reactivity                                       | Human                                                                                                                                                                                                                  |
| Clonality                                        | Monoclonal                                                                                                                                                                                                             |
| Isotype                                          | IgG2b,k                                                                                                                                                                                                                |
| Clone Number                                     | 3C7                                                                                                                                                                                                                    |
| Specificity                                      | Recognizes human TXNDC4.                                                                                                                                                                                               |
| Purity/Purification                              | Purified by Protein A Affinity Chromatography.                                                                                                                                                                         |
| Form/Format                                      | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.                                                                                                                                       |
| Applicable Applications for anti-TXNDC4 antibody | ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)                                                                                                                                         |
| Application Notes                                | IHC-P: 3ug/ml<br>Applications are based on unconjugated antibody.                                                                                                                                                      |
| Immunogen                                        | Full length recombinant corresponding to aa30-407 from TXNDC4 (AAH05374) with GST tag. MW of the GST tag alone is 26kD.                                                                                                |
| Immunogen Sequence                               | EITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEEASDVIKEEFPNENQVVFARVDCDQHSDIAQRYRISKYPTLKLFRNGMMMREYRGQRSVK                                                                                                                   |
| Conjugate                                        | Biotin                                                                                                                                                                                                                 |
| Preparation and Storage                          | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store the original vial after thawing and prior to removing the cap. |

## IMAGES



WB (Western Blot)  
TXNDC4 monoclonal antibody Western Blot analysis of TXNDC4 expression in K-562.



WB (Western Blot)  
TXNDC4 monoclonal antibody Western Blot analysis of TXNDC4 expression in A-431.



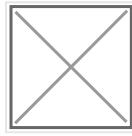
#### Application Data

Detection limit for recombinant GST tagged TXNDC4 is 1ng/ml as a capture antibody.



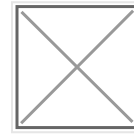
#### IP (Immunoprecipitation)

Immunoprecipitation of TXNDC4 transfected lysate using TXNDC4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TXNDC4 rabbit polyclonal antibody.



#### IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to TXNDC4 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3ug/ml]



#### WB (Western Blot)

Western Blot analysis of TXNDC4 expression in transfected 293T cell line by TXNDC4 monoclonal antibody Lane 1: TXNDC4 transfected lysate (47kD). Lane 2: Non-transfected lysate.

## ADDITIONAL INFORMATION

Product Categories/Family for anti-TXNDC4 antibody

Antibodies; Thioredoxin

## NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 13529223                                            |
| NCBI GeneID                      | 23071                                               |
| Molecular Weight                 | 47KD                                                |
| NCBI Official Full Name          | Homo sapiens endoplasmic reticulum protein 44, mRNA |
| NCBI Official Synonym Full Names | endoplasmic reticulum protein 44                    |
| NCBI Official Symbol             | ERP44                                               |
| NCBI Official Synonym Symbols    | PDIA10; TXNDC4                                      |
| NCBI Protein Information         | endoplasmic reticulum resident protein 44           |

**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://stage.aaabiotech.com/monoclonal/thioredoxin-domain-containing-protein-4-antibody-clone-3c7-immunohistochemistry-immunoprecipitation-western-blot-elisa/24990>