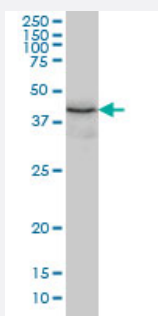


# TXNDC4 monoclonal antibody (M01), clone 3C7

Catalog # H00023071-M01

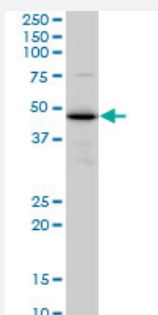
Size 100 ug

## Applications



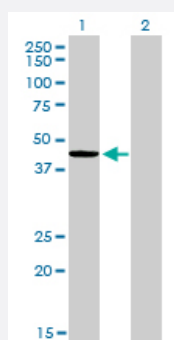
### Western Blot (Cell lysate)

TXNDC4 monoclonal antibody (M01), clone 3C7 Western Blot analysis of TXNDC4 expression in K-562 ( Cat # L009V1 ).



### Western Blot (Cell lysate)

TXNDC4 monoclonal antibody (M01), clone 3C7. Western Blot analysis of TXNDC4 expression in A-431 ( Cat # L015V1 ).

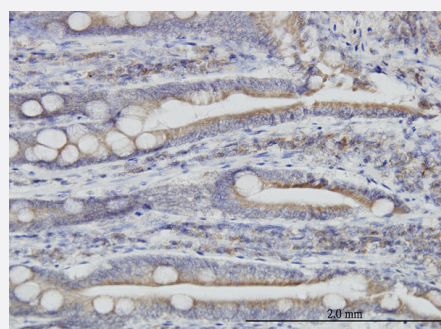


### Western Blot (Transfected lysate)

Western Blot analysis of TXNDC4 expression in transfected 293T cell line by TXNDC4 monoclonal antibody (M01), clone 3C7.

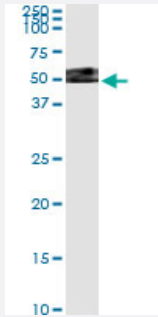
Lane 1: TXNDC4 transfected lysate(47 KDa).

Lane 2: Non-transfected lysate.



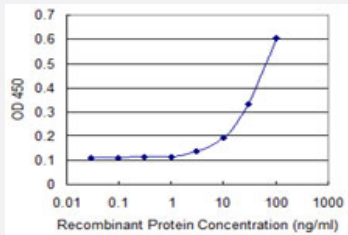
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



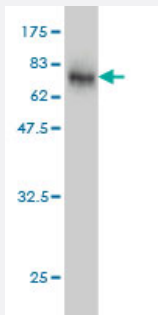
## Immunoprecipitation

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



## Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (67.21 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant TXNDC4.

### Immunogen

TXNDC4 (AAH05374, 30 a.a. ~ 406 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

EITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEEASDVKEEFNENQVVFARVDCDQH  
SDIAQRYRISKYPTLKLFRNGMMMKREYRGQRSVKALADYIRQQKSDPIQEIRDLAIEITLDRSKRNII  
GYFEQKDSNDYRVFERVANILHDDCAFLSAFGDVSKPERYSGDNIYKPPGHSAPDMVYLGAMTN  
FDVTYNWIQDKCVPLVREITFENGEELEEGLPFLILFHMKEDTESLEIFQNEVARQLISEKGTINFL  
HADCDKFRHPLLHIQKTPADCPVIAIDSRHMYVFGDFKDVLPGLKQFVFDLHSGKLHREFHHG  
PDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLRLDRDEL

### Host

Mouse

### Reactivity

Human

|                                      |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Interspecies Antigen Sequence</b> | Mouse (93); Rat (93)                                                                                     |
| <b>Isotype</b>                       | IgG2b Kappa                                                                                              |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (67.21 KDa) . |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                        |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Cell lysate)

TXNDC4 monoclonal antibody (M01), clone 3C7 Western Blot analysis of TXNDC4 expression in K-562 ( Cat # L009V1 ).

[Protocol Download](#)

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[Protocol Download](#)

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Lane 1: TXNDC4 transfected lysate(47 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

[Protocol Download](#)

- ELISA

## Gene Info — TXNDC4

|                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">23071</a>                                                               |
| GeneBank Accession# | <a href="#">BC005374</a>                                                            |
| Protein Accession#  | <a href="#">AAH05374</a>                                                            |
| Gene Name           | TXNDC4                                                                              |
| Gene Alias          | ERP44, KIAA0573                                                                     |
| Gene Description    | thioredoxin domain containing 4 (endoplasmic reticulum)                             |
| Omim ID             | <a href="#">609170</a>                                                              |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                           |
| Other Designations  | OTTHUMP00000021788 OTTHUMP00000063799 endoplasmic reticulum resident protein 44 kDa |

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)