

For Research Use Only

# TXNDC4 Polyclonal antibody

Catalog Number: 16016-1-AP

Featured Product

5 Publications



## Basic Information

**Catalog Number:**

16016-1-AP

**Size:**

650 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8818

**GenBank Accession Number:**

BC005374

**GeneID (NCBI):**

23071

**UNIPROT ID:**

Q9BS26

**Full Name:**

endoplasmic reticulum protein 44

**Calculated MW:**

406 aa, 47 kDa

**Observed MW:**

44-47 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC, CoIP

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : HepG2 cells, HeLa cells, MCF-7 cells, K-562 cells

IP : K-562 cells,

IHC : human breast cancer tissue,

IF : HeLa cells,

## Background Information

TXNDC4 is also named as KIAA0573, ERP44, PDIA10, ERp44 and belongs to the thioredoxin family (TRX). It may be involved in electron transport, protein folding, response to unfolded protein, glycoprotein metabolism, secretory pathway. It may have a role in the control of oxidative protein folding in the endoplasmic reticulum.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tian Xia	34493236	BMC Cancer	WB, IHC
Tiziana Anelli	34651407	Traffic	WB
Anelli Tiziana T	21854214	Antioxid Redox Signal	WB, IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

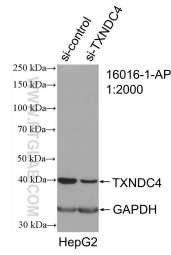
T: 4006900926

E: Proteintech-CN@ptglab.com

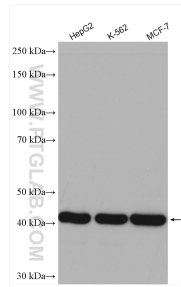
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

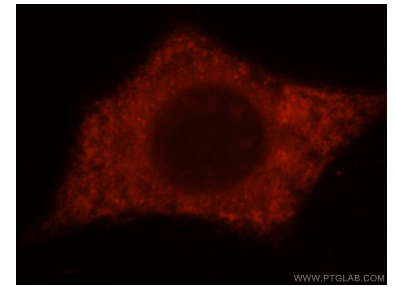
## Selected Validation Data



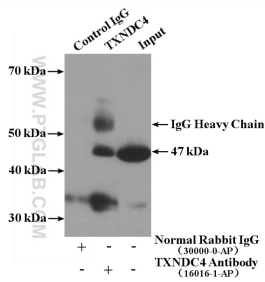
WB result of TXNDC4 antibody (16016-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TXNDC4 transfected HepG2 cells.



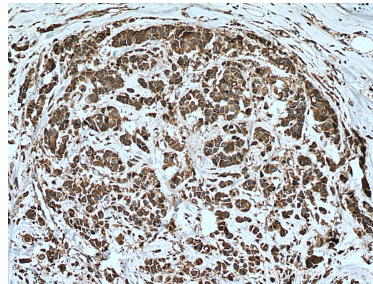
Various lysates were subjected to SDS PAGE followed by western blot with 16016-1-AP (TXNDC4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



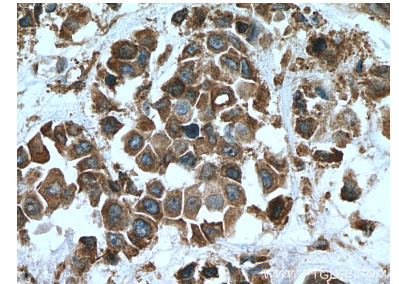
Immunofluorescent analysis of HeLa cells, using ERP44 antibody 16016-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-TXNDC4 (IP:16016-1-AP, 4ug; Detection:16016-1-AP 1:500) with K-562 cells lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16016-1-AP (TXNDC4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16016-1-AP (TXNDC4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).