

For Research Use Only

TXNDC4 Polyclonal antibody

Catalog Number: 16016-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

16016-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, 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, mouse brain tissue

IF/ICC : 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

*** 20ul sizes contain 0.1% BSA

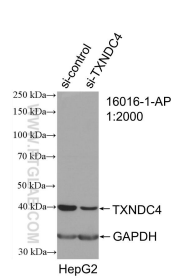
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

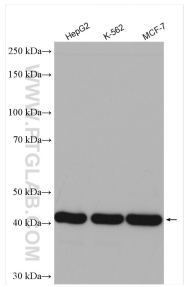
E: proteintech@ptglab.com
W: ptglab.com

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

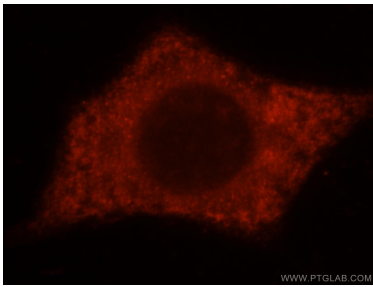
Selected Validation Data



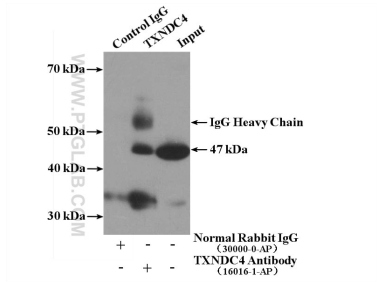
WB result of TXNDC4 antibody (16016-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TXNDC4 transfected HepG2 cells.



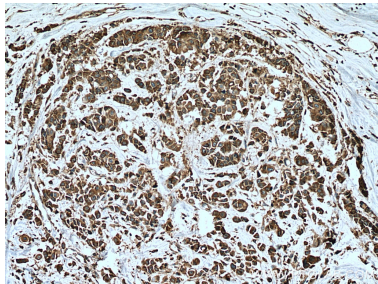
Various lysates were subjected to SDS PAGE followed by western blot with 16016-1-AP (TXNDC4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



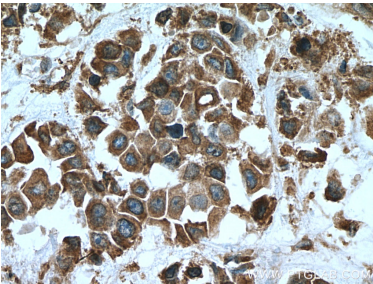
Immunofluorescent analysis of Hela cells, using ERP44 antibody 16016-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



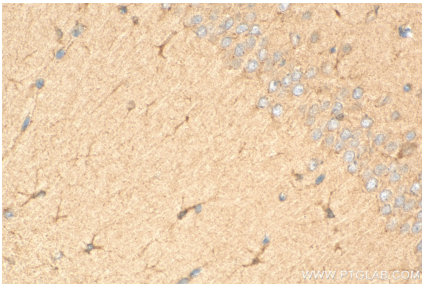
IP result of anti-TXNDC4 (IP:16016-1-AP, 4ug; Detection:16016-1-AP 1:500) with K-562 cells lysate 4000ug.



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).



Immunohistochemical analysis of paraffin-embedded mouse brain 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).