

For Research Use Only

# ERP44 Monoclonal antibody, PBS Only



Catalog Number: 67426-1-PBS

## Basic Information

<b>Catalog Number:</b> 67426-1-PBS	<b>GenBank Accession Number:</b> BC005374	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23071	<b>CloneNo.:</b> 3A2C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9BS26	
<b>Isotype:</b> IgG1	<b>Full Name:</b> endoplasmic reticulum protein 44	
<b>Immunogen Catalog Number:</b> AG8818	<b>Calculated MW:</b> 406 aa, 47 kDa	
	<b>Observed MW:</b> 44-47 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat

## 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.

## Storage

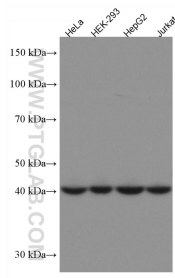
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

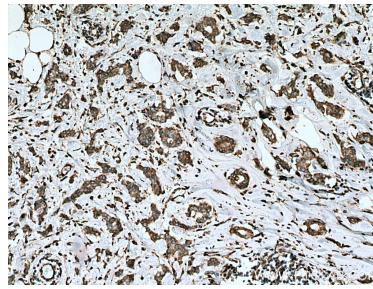
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

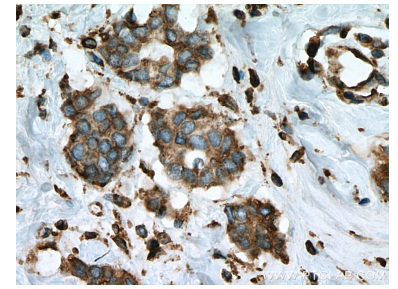
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67426-1-Ig (ERP44 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67426-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67426-1-Ig (ERP44 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67426-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67426-1-Ig (ERP44 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67426-1-PBS in a different storage buffer formulation.