# antibodies .- online.com







## anti-ERP44 antibody

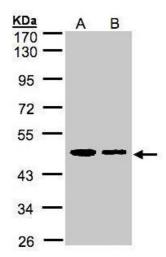
**Images** 



Overview	
Quantity:	100 μL
Target:	ERP44
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERP44 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human TXNDC4.
	The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to TXNDC4 (endoplasmic reticulum protein 44)
	TXNDC4 antibody [C1C3]
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	ERP44
Alternative Name:	endoplasmic reticulum protein 44 (ERP44 Products)

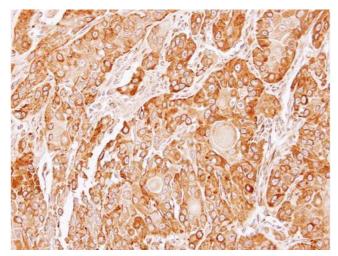
## **Target Details**

Background:	Mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides
	with substrate proteins through its conserved CRFS motif. Inhibits the calcium channel activity
	of ITPR1. May have a role in the control of oxidative protein folding in the endoplasmic
	reticulum. Required to retain ERO1L and ERO1LB in the endoplasmic reticulum.
	Cellular Localization: Endoplasmic reticulum lumen
Molecular Weight:	47 kDa
Gene ID:	23071
UniProt:	Q9BS26
Pathways:	Cell RedoxHomeostasis, SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined
	by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , H1299
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage
	(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid
	multiple freeze-thaw cycles.



### **Western Blotting**

**Image 1.** WB Image Sample(30 ug whole cell lysate) A:A431, B:H1299 10% SDS PAGE antibody diluted at 1:1000



#### **Immunohistochemistry**

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded SCC4 xenograft, using TXNDC4, antibody at 1:100 dilution.