

Datasheet for ABIN2787804
anti-ERP44 antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	ERP44
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERP44 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TXNDC4
Sequence:	LHREFHHGPD PTDTAPGEQA QDVASSPPES SFQKLAPSEY RYTLLRDRDE
Predicted Reactivity:	Cow: 93%, Dog: 86%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against TXNDC4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ERP44
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Target Details

Alternative Name:	TXNDC4 (ERP44 Products)
Background:	<p>TXNDC4 mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif. TXNDC4 inhibits the calcium channel activity of ITPR1. TXNDC4 may have a role in the control of oxidative protein folding in the endoplasmic reticulum. TXNDC4 is required to retain ERO1L and ERO1LB in the endoplasmic reticulum.</p> <p>Alias Symbols: ERP44, KIAA0573, PDIA10, TXNDC4</p> <p>Protein Interaction Partner: FUS, UBC, SUMO1, NEDD8, NUDCD1, UBFD1, OSGEP, LARS, ISOC1, PLD3, PDCD10, FERMT2, YWHAZ, VCL, PFAS, PAK2, G6PD, FHL2, CNN2, TBCB, CKB, env, ELAVL1, SUMO4, RASSF5, USP32, USP46, UIMC1, ERO1LB, ERO1L, ITPR1, CD40,</p> <p>Protein Size: 406</p>
Molecular Weight:	45 kDa
Gene ID:	23071
NCBI Accession:	NM_015051 , NP_055866
UniProt:	Q9BS26
Pathways:	Cell RedoxHomeostasis , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA
Restrictions:	For Research Use only

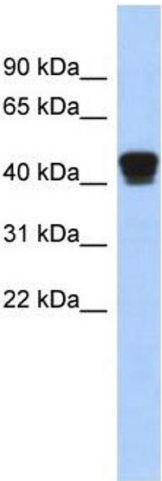
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #103662 for Western Blotting (WB)



Western Blotting

Image 1. WB Suggested Anti-TXNDC4 Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta