

TXNDC4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54280

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BS26
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46971

Additional Information

Gene ID	23071
Other Names	Endoplasmic reticulum resident protein 44, ER protein 44, ERp44, Thioredoxin domain-containing protein 4, ERP44, KIAA0573, TXNDC4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ERP44
Synonyms	KIAA0573, TXNDC4
Function	Mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif (PubMed: 11847130 , PubMed: 14517240). Inhibits the calcium channel activity of ITPR1 (PubMed: 15652484). May have a role in the control of oxidative protein folding in the endoplasmic reticulum (PubMed: 11847130 , PubMed: 14517240 , PubMed: 29858230). Required to retain ERO1A and ERO1B in the endoplasmic reticulum (PubMed: 11847130 , PubMed: 29858230).
Cellular Location	Endoplasmic reticulum lumen

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