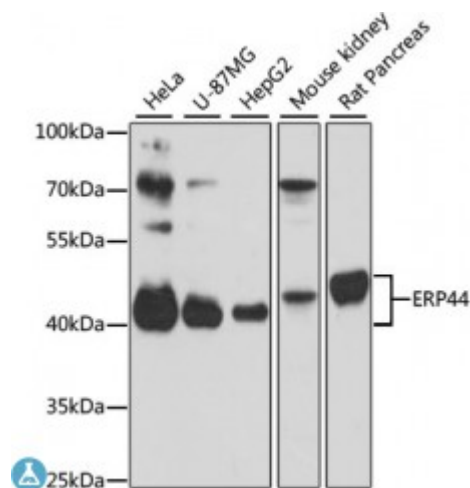


Anti-ERP44 Antibody



Description

This gene encodes a member of the protein disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins. It has an inferred N-terminal signal peptide, a catalytically active thioredoxin (TRX) domain, two TRX-like domains and a C-terminal ER-retention sequence. This protein functions as a pH-regulated chaperone of the secretory pathway and likely plays a role in protein quality control at the endoplasmic reticulum - Golgi interface.

Model	STJ116246
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 57-406 of human ERP44 (NP_055866.1).
Gene ID	23071
Gene Symbol	ERP44
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Endoplasmic reticulum resident protein 44 ER protein 44 ERp44 Thioredoxin domain-containing protein 4
Molecular Weight	46.971 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:18311 OMIM:609170 Reactome:R-HSA-6798695
Alternative Names	Endoplasmic reticulum resident protein 44 ER protein 44 ERp44 Thioredoxin domain-containing protein 4
Function	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 ERO1A and ERO1B in the endoplasmic reticulum,
Cellular Localization	Endoplasmic reticulum lumen

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com