



ERO1L Mouse mAb

Catalog No	YP-mAb-18588
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ERO1L UNQ434/PRO865
Immunogen	Synthesized peptide derived from human ERO1L
Specificity	This antibody detects endogenous levels of ERO1L at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Endoplasmic oxidoreductin 1 like protein;Endoplasmic oxidoreductin-1-like protein;Endoplasmic reticulum oxidoreductase 1 alpha;Endoplasmic reticulum oxidoreductin 1-like;ERO1 alpha;ERO1 L;ERO1 Lalpha;ERO1 like protein alpha;ERO1-alpha;ERO1-L;ERO1-L-alpha;ERO1-like (S. cerevisiae);ERO1-like alpha;ERO1-like protein alpha;ERO1-like;S. cerevisiae;homolog of;alpha;ERO1A;ERO1A_HUMAN;ERO1L;ERO1LA;Oxidoreductin 1 Lalpha;Oxidoreductin-1-L-alpha;PRO865;UNQ434;ERO1L UNQ434/PRO865;ERO1-like protein alpha (ERO1-L) (ERO1-L-alpha) (Endoplasmic oxidoreductin-1-like protein) (Oxidoreductin-1-L-alpha)
Observed Band	51kD
Calculated Molecular Weight	54 kDa; 54kD(Calculated).
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein ; Lumenal side . The association with ERP44 is essential for its retention in the endoplasmic reticulum.
Tissue Specificity	Widely expressed at low level. Expressed at high level in upper digestive tract. Highly expressed in esophagus. Weakly expressed in stomach and duodenum.

**Function**

Oxidoreductase involved in disulfide bond formation in the endoplasmic reticulum. Efficiently reoxidizes P4HB/PDI, the enzyme catalyzing protein disulfide formation, in order to allow P4HB to sustain additional rounds of disulfide formation. Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. Required for the proper folding of immunoglobulins. Involved in the release of the unfolded cholera toxin from reduced P4HB/PDI in case of infection by V.cholerae, thereby playing a role in retrotranslocation of the toxin. Plays an important role in ER stress-induced, CHOP-dependent apoptosis by activating the inositol 1,4,5-trisphosphate receptor IP3R1. Oxidoreductase involved in disulfide bond formation in the endoplasmic reticulum. Efficiently reoxidizes P4HB/PDI, the enzyme catalyzing protein disulfide formation, in order to allow P4HB to sustain additional rounds of disulfide formation. Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. Required for the proper folding of immunoglobulins. Involved in the release of the unfolded cholera toxin from reduced P4HB/PDI in case of infection by V.cholerae, thereby playing a role in retrotranslocation of the toxin. Plays an important role in ER stress-induced, CHOP-dependent apoptosis by activating the inositol 1,4,5-trisphosphate receptor IP3R1.

Background**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images