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ERO1LB Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP5218b

Specification

ERO1LB Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q86YB8

ERO1LB Antibody (C-term) Blocking peptide - Additional Information

Gene ID 56605

Other Names
ERO1-like protein beta, ERO1-L-beta, 184-, Endoplasmic reticulum oxidoreductin-1-like protein B, Oxidoreductin-1-L-beta, ERO1LB

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ERO1LB Antibody (C-term) Blocking peptide - Protein Information

Name ERO1B (HGNC:14355)

Synonyms ERO1LB

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. Other protein disulfide isomerase family members can also be reoxidized, but at lower rates compared to P4HB, including PDIA2 (50% of P4HB reoxidation rate), as well as PDIA3, PDIA4, PDIA6 and NXNDC12 (<10%). Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. May be involved in oxidative proinsulin folding in pancreatic cells, hence may play a role in glucose homeostasis.

Cellular Location
Endoplasmic reticulum membrane; Peripheral membrane protein; Lumenal side. Note=The association with ERP44 may be essential for its retention in the endoplasmic reticulum

Tissue Location
Highly expressed in the digestive tract, including the duodenum and lower digestive tract. In the

stomach, highly expressed in enzyme-producing chief cells (at protein level). In the pancreas, expressed in islets of Langerhans and, at lower levels, in enzyme-secreting cells (at protein level). Detected at low level in many other tissues.

ERO1LB Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ERO1LB Antibody (C-term) Blocking peptide - Images