ERO1A Antibody

PACO44633

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000, IHC:1:20-1:200

Protein Background:

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.

Gene ID:

ERO1A

Uniprot

Q96HE7

Synonyms:

ERO1-like protein alpha (ERO1-L) (ERO1-L-alpha) (EC 1.8.4. -) (Endoplasmic oxidoreductin-1-like protein) (Endoplasmic reticulum oxidoreductase alpha) (Oxidoreductin-1-L-alpha), ERO1A, ERO1L

Immunogen:

Recombinant Human ERO1-like protein α protein (24-260AA).

Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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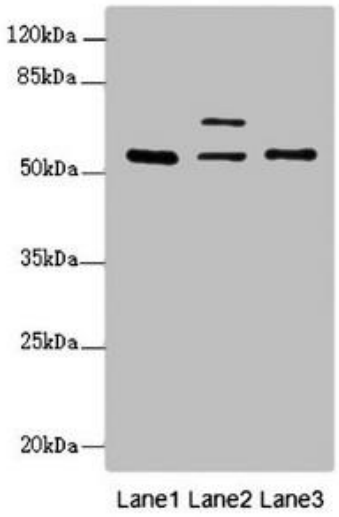
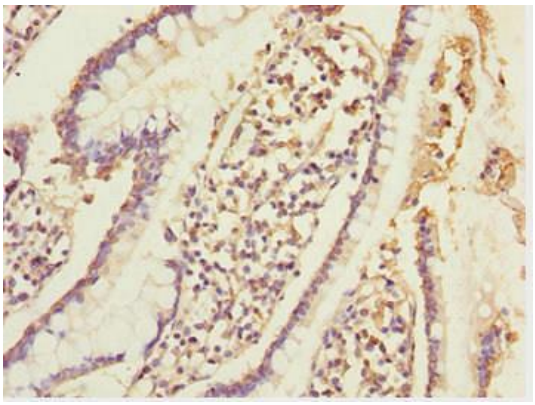
Product Images



Western blot. All lanes: ERO1L antibody at 2.01µg/ml. Lane 1: HepG2 whole cell lysate. Lane 2: Hela whole cell lysate. Lane 3: MCF-7 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 54 kDa. Observed band size: 54, 62 kDa.



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO44633 at dilution of 1:100.