

## 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:**

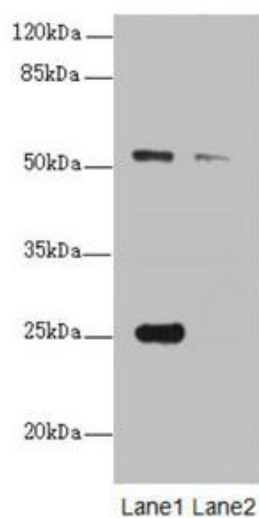
Recombinant Human ERO1-like protein &alpha; protein (24-260AA).

**Storage:**

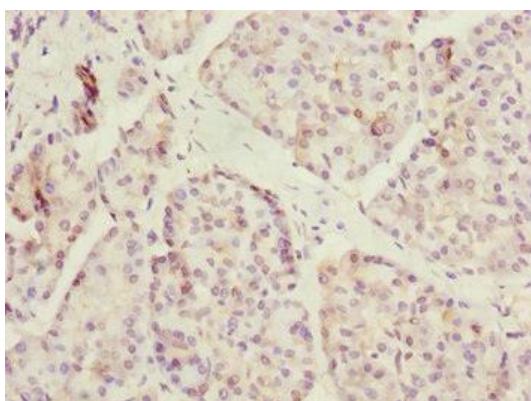
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

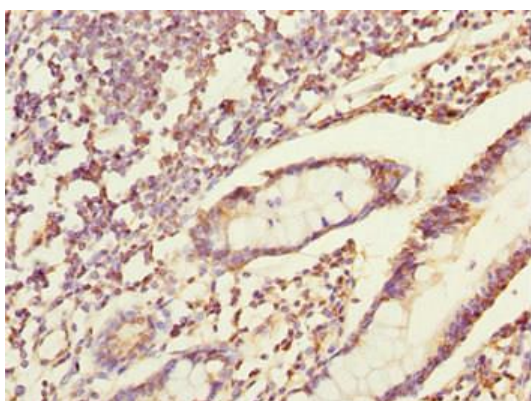
---



Western blot. All lanes: ERO1L antibody at 1.25 $\mu$ g/ml. Lane 1: A431 whole cell lysate. Lane 2: 293T whole cell lysate. Secondary: Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 54 kDa. Observed band size: 54, 25 kDa.



Immunohistochemistry of paraffin-embedded human pancreatic tissue using PACO44634 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO44634 at dilution of 1:100.