Datasheet for ABIN7152002

anti-ERO1L antibody (AA 24-260)

2 Images

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Overview

Quantity:	100 µL
Target:	ERO1L
Binding Specificity:	AA 24-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERO1L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human ERO1-like protein alpha protein (24-260AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	ERO1L
Alternative Name:	ERO1A (ERO1L Products)
Background:	Background: Oxidoreductase involved in disulfide bond formation in the endoplasmic reticulum. Efficiently reoxidizes P4HB/PDI, the enzyme catalyzing protein disulfide formation, in order to

Target Details

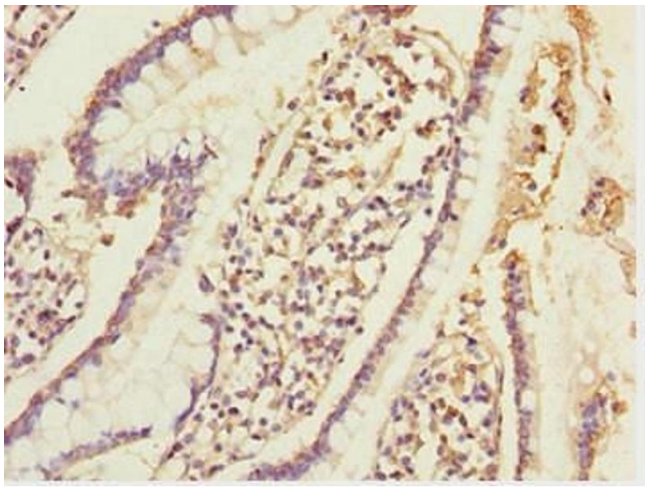
	allow P4HB to sustain additional rounds of disulfide formation. Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. Required for the proper folding of immunoglobulins. Involved in the release of the unfolded 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. Aliases: Endoplasmic oxidoreductin 1 like protein antibody, Endoplasmic oxidoreductin-1-like protein antibody, Endoplasmic reticulum oxidoreductase 1 alpha antibody, Endoplasmic reticulum oxidoreductin 1-like antibody, ERO1 alpha antibody, ERO1 L antibody, ERO1 Lalpha antibody, ERO1 like protein alpha antibody, ERO1-alpha antibody, ERO1-L antibody, ERO1-L-alpha antibody, ERO1-like (S. cerevisiae) antibody, ERO1-like alpha antibody, ERO1-like protein alpha antibody, ERO1-like, S. cerevisiae, homolog of, alpha antibody, ERO1A antibody, ERO1A_HUMAN antibody, ERO1L antibody, ERO1LA antibody, Oxidoreductin 1 Lalpha antibody, Oxidoreductin-1-L-alpha antibody, PRO865 antibody, UNQ434 antibody
UniProt:	Q96HE7
Pathways:	Peptide Hormone Metabolism, ER-Nucleus Signaling, Brown Fat Cell Differentiation

Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

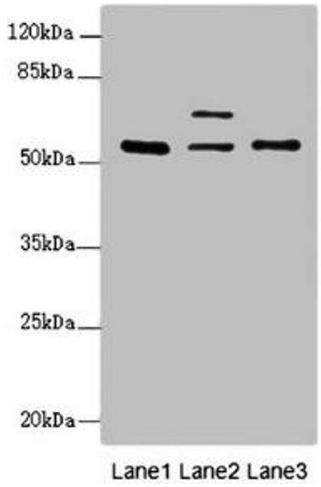
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7152002 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: ERO1L antibody at 2.01 µg/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

