Rabbit anti-Human ERO1A Polyclonal Antibody | anti-ERO1A antibody

ERO1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231484	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot, ELISA**

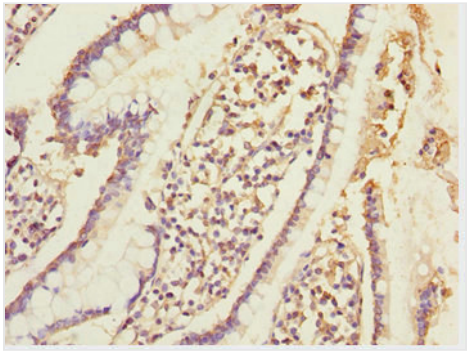
PRODUCT SYNONYMS

ERO1A; Polyclonal Antibody; ERO1A Antibody; ERO1-like protein alpha; ERO1-L; ERO1-L-alpha; Endoplasmic oxidoreductin-1-like protein; Endoplasmic reticulum oxidoreductase alpha; anti-ERO1A antibody

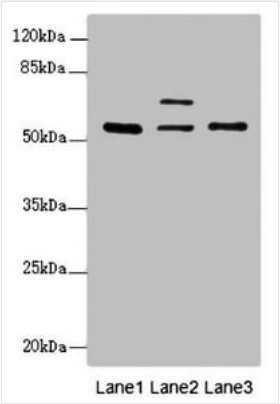
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	468
Applicable Applications for anti-ERO1A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human ERO1-like protein alpha protein (24-260AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79942 / sc-98354
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA231484 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: ERO1L antibody at 2.01ug/mlLane 1 : HepG-2 whole cell lysateLane 2 : Hela whole cell lysateLane 3 : MCF7 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 54 kDaObserved band size: 54,62 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ERO1A antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657069
NCBI GeneID	30001
NCBI Accession #	NP_055399.1
NCBI GenBank Nucleotide #	NM_014584.2
UniProt Accession #	Q96HE7; Q7LD45; Q9P1Q9; Q9UKV6; A8K9X4; A8MYW1
Molecular Weight	54,393 Da
NCBI Official Full Name	ERO1-like protein alpha
NCBI Official Synonym Full Names	endoplasmic reticulum oxidoreductase 1 alpha
NCBI Official Symbol	ERO1A
NCBI Official Synonym Symbols	ERO1L; ERO1-L; ERO1LA; Ero1alpha; ERO1-alpha; ERO1-L-alpha
NCBI Protein Information	ERO1-like protein alpha
UniProt Protein Name	ERO1-like protein alpha
UniProt Gene Name	**ERO1A**
UniProt Synonym Gene Names	ERO1-L; ERO1-L-alpha
UniProt Entry Name	ERO1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.