

Rabbit anti-Human ERO1L Polyclonal Antibody | anti-ERO1L antibody

ERO1L Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285092	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

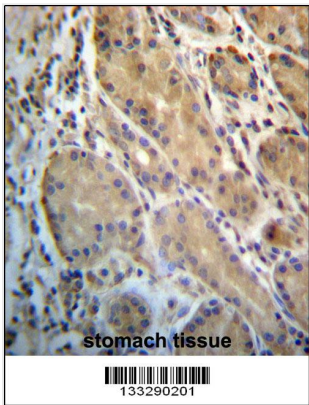
PRODUCT SYNONYMS

ERO1L; Polyclonal Antibody; ERO1L Antibody (C-term); ERO1-like protein alpha; ERO1-L; ERO1-L-alpha; 184-; Endoplasmic oxidoreductin-1-like protein; Oxidoreductin-1-L-alpha; anti-ERO1L antibody

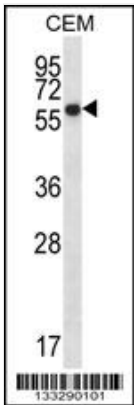
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ERO1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 350-379 amino acids from the C-terminal region of human ERO1L.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	350-379
Sequence Length	468
Applicable Applications for anti-ERO1L antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
ERO1L Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ERO1L Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ERO1L Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the ERO1L antibody detected the ERO1L protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ERO1L antibody	Essential oxidoreductase that oxidizes proteins in the endoplasmic reticulum to produce disulfide bonds. Acts by oxidizing directly P4HB/PDI isomerase through a direct disulfide exchange. Does not act as a direct oxidant of folding substrate, but relies on P4HB/PDI to transfer oxidizing equivalent. Associates with ERP44 but not with GRP54, demonstrating that it does not oxidize all PDI related proteins and can discriminate between PDI and related proteins. Its reoxidation probably involves electron transfer to molecular oxygen via FAD. Acts independently of glutathione. May be responsible for a significant proportion of reactive oxygen species (ROS) in the cell, thereby being a source of oxidative stress. Required for the folding of immunoglobulin proteins. Responsible for 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.
Product Categories/Family for anti-ERO1L antibody	Signal Transduction
References	Inaba, K., et al. EMBO J. 29(19):3330-3343(2010) Appenzeller-Herzog, C., et al. EMBO J. 29(19):3318-3329(2010) Swiatkowska, M., et al. J. Biol. Chem. 285(39):29874-29883(2010) Chambers, J.E., et al. J. Biol. Chem. 285(38):29200-29207(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :

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	54393
NCBI Official Full Name	ERO1-like protein alpha
NCBI Official Synonym Full Names	endoplasmic reticulum oxidoreductase 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	ERO1L
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ero1l-antibody-immunohistochemistry-western-blot-elisa/285092>