

Anti-ERO1A / ERO1L Antibody (aa105-118)
Goat Anti Human Polyclonal Antibody
Catalog # ALS17728**Specification**

Anti-ERO1A / ERO1L Antibody (aa105-118) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q96HE7
Predicted	Human, Rabbit, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	54393
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

Anti-ERO1A / ERO1L Antibody (aa105-118) - Additional Information**Gene ID** 30001**Alias Symbol** **ERO1L****Other Names**

ERO1L, ERO1-like (S. cerevisiae), ERO1 (S. cerevisiae)-like, ERO1A, ERO1-alpha, ERO1-L-alpha, ERO1-like protein alpha, Oxidoreductin-1-L-alpha, ERO1-L

Target/Specificity

Human ERO1L.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-ERO1A / ERO1L Antibody (aa105-118) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ERO1A / ERO1L Antibody (aa105-118) - Protein Information**Name** ERO1A ([HGNC:13280](#))**Synonyms** ERO1L**Function**

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 (PubMed:29858230). Plays an

important role in ER stress-induced, CHOP-dependent apoptosis by activating the inositol 1,4,5-trisphosphate receptor IP3R1. 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.

Cellular Location

Endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side. Golgi apparatus lumen. Secreted. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8R4A1}. Note=The association with ERP44 is essential for its retention in the endoplasmic reticulum (PubMed:29858230). In neurons, it localizes to dendrites (By similarity). {ECO:0000250|UniProtKB:Q8R4A1, ECO:0000269|PubMed:29858230}

Tissue Location

Widely expressed at low level. Expressed at high level in upper digestive tract. Highly expressed in esophagus. Weakly expressed in stomach and duodenum.

Anti-ERO1A / ERO1L Antibody (aa105-118) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ERO1A / ERO1L Antibody (aa105-118) - Images