

Datasheet for ABIN6985783

**anti-ERO1L antibody (AA 321-420) (Cy7)**[Go to Product page](#)

## Overview

|                      |                                              |
|----------------------|----------------------------------------------|
| Quantity:            | 100 µL                                       |
| Target:              | ERO1L                                        |
| Binding Specificity: | AA 321-420                                   |
| Reactivity:          | Human                                        |
| Host:                | Rabbit                                       |
| Clonality:           | Polyclonal                                   |
| Conjugate:           | This ERO1L antibody is conjugated to Cy7     |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ERO1L |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human                                                     |
| Predicted Reactivity: | Mouse,Rat,Rabbit                                          |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Target:           | ERO1L                                                                                      |
| Alternative Name: | ERO1L ( <a href="#">ERO1L Products</a> )                                                   |
| Background:       | Synonyms: ERO1-like protein alpha, ERO1A, ERO1-L, ERO1-L-alpha, Endoplasmic oxidoreductin- |

## Target Details

1-like protein, Endoplasmic reticulum oxidoreductase alpha, Oxidoreductin-1-L-alpha, ERO1L

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:  | 30001                                                                                                                              |
| UniProt:  | <a href="#">Q96HE7</a>                                                                                                             |
| Pathways: | <a href="#">Peptide Hormone Metabolism</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Brown Fat Cell Differentiation</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | FCM 1:20-100          |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |