

ERO1L Antibody (C-term)

Catalog_no :	AB1164
Applications :	WB, IF
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:350-379
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.
Dilution :	WB,1:1000;IHC-P,1:10~50;
Purification :	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.
Other_name :	ERO1-like protein alpha, ERO1-L, ERO1-L-alpha, 184-, Endoplasmic oxidoreductin-1-like protein, Oxidoreductin-1-L-alpha, ERO1L
Isotype :	Rabbit Ig
Background :	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 <i>V.cholerae</i> , thereby playing a role in retrotranslocation of the toxin.
reference :	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.