

For Research Use Only

ERO1LB Polyclonal antibody

Catalog Number: 11261-2-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

11261-2-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1776

GenBank Accession Number:

BC032823

GeneID (NCBI):

56605

UNIPROT ID:

Q86YB8

Full Name:

ERO1-like beta (S. cerevisiae)

Calculated MW:

54 kDa

Observed MW:

40-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, human placenta tissue

IHC : human pancreas cancer tissue, human oesophagus tissue, human small intestine tissue

IF/ICC : HepG2 cells,

Background Information

Endoplasmic reticulum oxidoreductases (Eros) are essential for the formation of disulfide bonds. Mammals express two related Ero proteins, Ero1L alpha and Ero1L beta. The two homologous proteins can form homodimers and mixed heterodimers. Ero1-L α and - β are highly expressed in organs with a high demand for secretion, consistent with their roles in oxidative folding of ER proteins.

Notable Publications

Author	Pubmed ID	Journal	Application
Okamoto Yuji Y	23847051	Hum Mol Genet	WB
Galligan James J JJ	22829816	J Toxicol	WB
Norio Takei	28839225	Sci Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

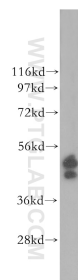
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

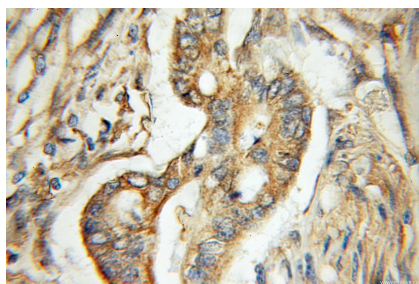
E: proteintech@ptglab.com
W: ptglab.com

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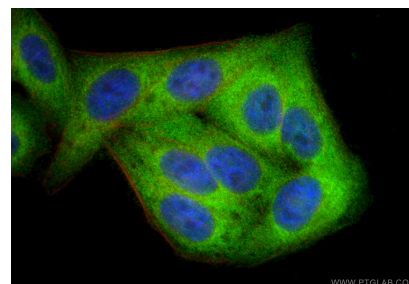
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 11261-2-AP (ERO1LB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11261-2-AP (ERO1LB antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ERO1LB antibody (11261-2-AP) at dilution of 1:200 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).