bs-14627R **[Primary Antibody]**

ERO1LB Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 56605 **SWISS:** Q86YB8

Target: ERO1LB

Immunogen: KLH conjugated synthetic peptide derived from human ERO1LB: 1-100/467.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 being a source of oxidative stress. Required for the folding of cell, thereby being a source of oxidative stress.

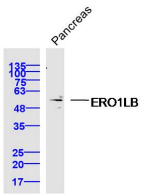
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, GuineaPig)

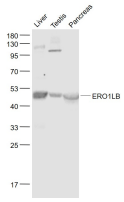
Predicted MW.: 50 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Pancreas (Mouse) Lysate at 40 ug Primary: Anti-ERO1LB (bs-14627R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Sample: Liver (Mouse) Lysate at 40 ug Testis (Mouse) Lysate at 40 ug Pancreas (Mouse) Lysate at 40 ug Primary: Anti- ERO1LB (bs-14627R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD

SELECTED CITATIONS

- **[IF=1.41]** Yang et al. CCAAT/enhancer binding protein homologous protein knockdown alleviates hypoxia-induced myocardial injury in rat cardiomyocytes exposed to high glucose. (2018) Exp.Ther.Med. 15:4213-4222 WB ;rat. 29725368