

bs-14629R**[Primary Antibody]****ERp57 Rabbit pAb****Bioss**
ANTIBODIES

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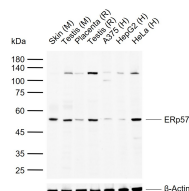
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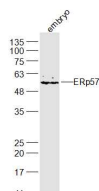
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DATASHEET

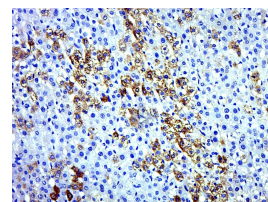
Host: Rabbit Clonality: Polyclonal GeneID: 2923 Target: ERp57 Immunogen: KLH conjugated synthetic peptide derived from human ERp57: 351-450/505. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. [provided by RefSeq, Jul 2008]	Isotype: IgG SWISS: P30101	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Chicken) Predicted MW.: 54 kDa Subcellular Location: Cytoplasm
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VALIDATION IMAGES

Sample: Lane 1: Mouse Skin tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Rat Placenta tissue lysates Lane 4: Rat Testis tissue lysates Lane 5: Human A375 cell lysates Lane 6: Human HepG2 cell lysates Lane 7: Human HeLa cell lysates Primary: Anti-ERp57 (bs-14629R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kDa Observed band size: 55 kDa



Sample: embryo (Mouse) Lysate at 40 ug Primary: Anti-ERp57 (bs-14629R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ERp57) Polyclonal Antibody, Unconjugated (bs-14629R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=3.548]** Yang W et al. The role of protein disulphide-isomerase A3 as autoantigen in the pathogenesis of autoimmune thyroiditis and related brain damage in adult mice. Clin Immunol. 2020 Jan 23;212:108350. WB ;Mouse. 31982645