

bs-7529R**[Primary Antibody]****Collagen VIII alpha 1 Rabbit pAb****Bioss**
ANTIBODIES

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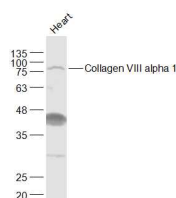
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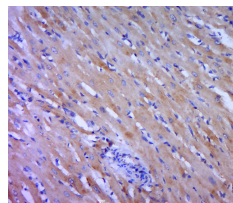
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— DATASHEET —

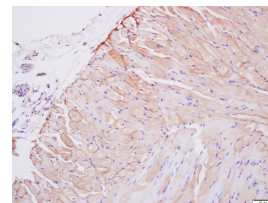
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| Host: Rabbit Clonality: Polyclonal GeneID: 1295 Target: Collagen VIII alpha 1 Immunogen: KLH conjugated synthetic peptide derived from human Collagen VIII alpha 1: 641-744/744. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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: Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also component of the endothelia of blood vessels. Necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in arterogenesis. Vastatin, the C-terminal fragment comprising the NC1 domain, inhibits aortic endothelial cell proliferation and causes cell apoptosis. | Isotype: IgG Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Pig, Cow, Chicken, Dog) Predicted MW.: 19/79 kDa Subcellular Location: Secreted |
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— VALIDATION IMAGES —

Sample: Heart (Rat) Lysate at 40 ug Primary: Anti-Collagen VIII alpha 1 (bs-7529R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19/79 kD Observed band size: 79 kD



Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); 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 (Collagen VIII alpha 1) Polyclonal Antibody, Unconjugated (bs-7529R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: smooth muscle of mouse stomach; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Collagen VIII alpha 1 Polyclonal Antibody, Unconjugated (bs-7529R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

— SELECTED CITATIONS —

- **[IF=5.88]** Skrbic et al. Lack of collagen VIII reduces fibrosis and promotes early mortality and cardiac dilatation in pressure overload in mice. (2015) Cardiovasc.Res. 106:32-42 IHC ;Mouse. 25694587