

bs-0547R**[Primary Antibody]****BioSS**
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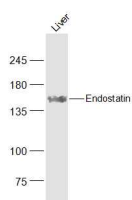
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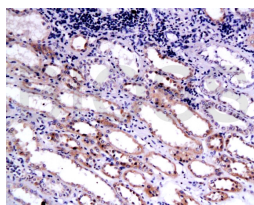
400-901-9800

Endostatin Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 80781 Target: Endostatin Immunogen: KLH conjugated synthetic peptide derived from human Endostatin: 1581-1680/1754. 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 the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Two transcript variants encoding different isoforms have been found for this gene.	Isotype: IgG SWISS: P39060	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat) Predicted MW.: 20/190 kDa Subcellular Location: Secreted ,Extracellular matrix
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-Endostatin (bs-0547R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 20/190 kD
Observed band size: 155 kD



Tissue/cell: human kidney carcinoma; 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-Endostatin Polyclonal Antibody,
Unconjugated(bs-0547R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=5.9]** Duliurui Huang. et al. Analysis of the heterogeneity and complexity of murine extraorbital lacrimal gland via single-cell RNA sequencing. OCUL SURF. 2024 Jun;; IF ;Mouse. 38945476
- **[IF=5.4]** Cheng Yan. et al. Endostatin-expressing endometrial mesenchymal stem cells inhibit angiogenesis in endometriosis through the miRNA-21-5p/TIMP3/PI3K/Akt/mTOR pathway. STEM CELL TRANSL MED. 2024 Nov;; IHC ;Mouse. 39589222

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.1]** Imoto, Keisuke, et al. "Endostatin is protective against monocrotaline-induced right heart disease through the inhibition of T-type Ca²⁺ channel." *Pflügers Archiv-European Journal of Physiology* (2016): 1-12. IHC ;="Rat". 27023352
- **[IF=1.69]** GAO, DAN, et al. "Effect of peritoneal dialysis on expression of vascular endothelial growth factor, basic fibroblast growth factor and endostatin of the peritoneum in peritoneal dialysis patients." *Nephrology* 16.8 (2011): 736-742. WB ;="Human". 21771176
- **[IF=1.7]** Heng Jiang. et al. miR-9 promotes canine endothelial-like cell migration by targeting COL15A1. *VET MED SCI*. 2023 Dec;10(1):e1339 WB ;Dog. 38109263