bs-0547R

# [ Primary Antibody ]

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# **Endostatin Rabbit pAb**

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 80781 **SWISS:** P39060

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.

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse

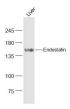
(predicted: Rat)

Predicted 20/190 kDa

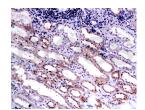
Subcellular Secreted ,Extracellular

Location: matrix

## 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 paraffinembedded; 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

- [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