

bs-4600R**[Primary Antibody]****BioSS**
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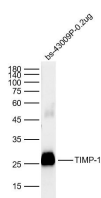
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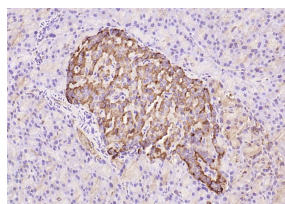
400-901-9800

TIMP-1 Rabbit pAb**— DATASHEET —**

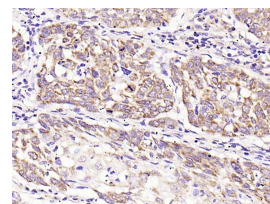
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|---|--|---|
| Host: Rabbit Clonality: Polyclonal Target: TIMP-1 Immunogen: KLH conjugated synthetic peptide derived from human TIMP-1: 131-207/207. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 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 belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction. [provided by RefSeq]. | Isotype: IgG GenelD: 7076 | Applications: WB (1:500-2000) IHC-P (1:100-500) |
| | | Reactivity: Human |
| | | Predicted MW: 21 kDa |
| | | Subcellular Location: Secreted |

— VALIDATION IMAGES —

Sample: Lane 1: TIMP-1 fusion protein (bs-43009P) 0.2ug
 Primary: Anti-TIMP-1(bs-4600R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 21kDa
 Observed band size: 25kDa



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); 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 (TIMP-1) Polyclonal Antibody, Unconjugated (bs-4600R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human esophagus cancer); 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 (TIMP-1) Polyclonal Antibody, Unconjugated (bs-4600R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.6]** Liqun Song, et al. Plasma fibrin membranes loaded with bone marrow mesenchymal stem cells and corneal epithelial cells promote corneal injury healing via attenuating inflammation and fibrosis after corneal burns. *BIOMATER SCI-UK*. 2023 Jul; IF ;Rat. 37486330
- **[IF=4.26]** Bi et al. Peripheral serotonin regulates postoperative intra-abdominal adhesion formation in mice. (2017) *Sci.Rep*. 7:10001 IHC ;Mouse. 28855642

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

- **[IF=3.8]** Jiaran Li. et al. Total meniscus replacement with a 3D printing of network hydrogel composite scaffold in a rabbit model. KNEE SURG SPORT TRA. 2024 Mar;; IHC ;Rabbit. 38506124
- **[IF=3.263]** Ademola Adetokunbo Oyagbemi et al. Antihypertensive power of Naringenin is mediated via attenuation of mineralocorticoid receptor (MCR)/ angiotensin converting enzyme (ACE)/ kidney injury molecule (Kim-1) signaling pathway. Eur J Pharmacol. 2020 Aug 5;880:173142. IHC ;Rat. 32422184
- **[IF=2.605]** Wang Yaxin. et al. Overexpression of estrogen receptor β inhibits cellular functions of human hepatic stellate cells and promotes the anti-fibrosis effect of calycosin via inhibiting STAT3 phosphorylation. BMC PHARMACOL TOXICO. 2022 Dec;23(1):1-13 WB ;Human. 36207725