

**bs-0415R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**TIMP-1 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 7076 <b>Target:</b> TIMP-1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human TIMP-1: 103-207/207. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> 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].	<b>Isotype:</b> IgG <b>SWISS:</b> P01033	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human  <b>Predicted MW.:</b> 21 kDa <b>Subcellular Location:</b> Secreted
---	---	---

**— VALIDATION IMAGES —**

Sample: Lane 1: TIMP-1 fusion protein  
(bs-43009P) 0.2ug Primary: Anti-TIMP-1 (bs-0415R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21kDa Observed band size: 25kDa

**— SELECTED CITATIONS —**

- **[IF=6.543]** Yang Lili. et al. Elucidating the Novel Mechanism of Ligustrazine in Preventing Postoperative Peritoneal Adhesion Formation. Oxid Med Cell Longev. 2022;2022:9226022 WB ;Rat,Human. 35308169
- **[IF=7.4]** Shimoji Kiyofumi. et al. Hypoxia-inducible factor 1 $\alpha$  modulates interstitial pneumonia-mediated lung cancer progression. J TRANSL MED. 2023 Dec;21(1):1-19 IHC ;Mouse. 38012636
- **[IF=5.7]** Yang Liu. et al. Paeoniflorin Coordinates Macrophage Polarization and Mitigates Liver Inflammation and Fibrogenesis by Targeting the NF- $\kappa$ B/HIF-1 $\alpha$  Pathway in CCl<sub>4</sub>-Induced Liver Fibrosis. AM J CHINESE MED. 2023 Jun 14 WB ;Mouse,Rat. 37317554

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

- **[IF=5.5]** Dina Abdalla Arida. et al. Comparative efficacy of conventional and nanoparticulate losartan in mitigating oxidative stress and fibrosis induced by CCl<sub>4</sub> in rat testes. Journal of Hazardous Materials Advances. IHC ; 10.1016/j.hazadv.2025.100692
- **[IF=5.064]** Xia Liu. et al. The adipokine orosomucoid alleviates adipose tissue fibrosis via the AMPK pathway. Acta Pharmacol Sin. 2021 Apr;;1-9 WB ;Mouse. 33875797