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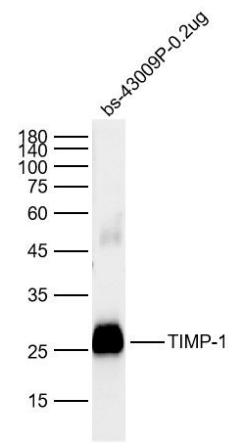
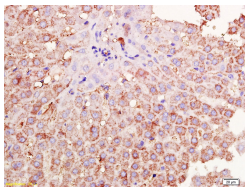
TIMP-1 Rabbit pAb

Catalog Number:	bs-0415R
Target Protein:	TIMP-1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500)
Reactivity:	Human
Predicted MW:	21 kDa
Entrez Gene:	7076
Swiss Prot:	P01033
Source:	KLH conjugated synthetic peptide derived from human TIMP-1: 103-207/207.
Purification:	affinity purified by Protein A
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].

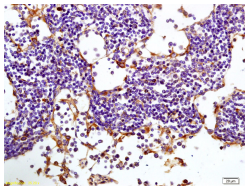
VALIDATION IMAGES



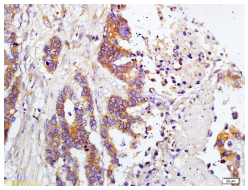
Sample: Lane 1: TIMP-1 fusion protein (bs-43009P) 0.2ug Primary: Anti-TIMP-1(bs-0415R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21kDa Observed band size: 25kDa



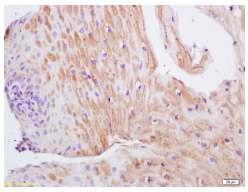
Tissue/cell: rabbit liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TIMP-1 Polyclonal Antibody, Unconjugated(bs-0415R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon 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-TIMP-1 Polyclonal Antibody, Unconjugated(bs-0415R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon 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-TIMP-1 Polyclonal Antibody, Unconjugated(bs-0415R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human gastric 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-TIMP-1 Polyclonal Antibody, Unconjugated(bs-0415R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[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 1α 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-κB/HIF-1α Pathway in CCl4-Induced Liver Fibrosis. AM J CHINESE MED. 2023 Jun 14 WB ; Mouse,Rat . 37317554

[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

[IF=5.223] Choirul Anwar. et al. Molecular mechanisms of Agardhiella subulata attenuates hepatic fibrosis by modulating hepatic stellate cell activation via the reduction of autophagy. J FUNCT FOODS. 2022 Sep;96:105226 WB ; Rat . 10.1016/j.jff.2022.105226