
TIMP-1 Mouse mAb

Catalog Number: bsm-10895M

Target Protein: TIMP-1

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 4C2

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:200-800)

Reactivity: Human, Mouse, Rat

Predicted MW: 21 kDa

Entrez Gene: 7076

Swiss Prot: P01033

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

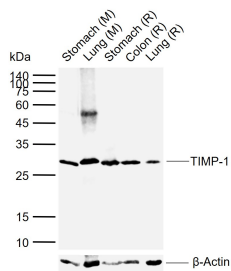
Size : 200ug (PBS only)

0.01M PBS

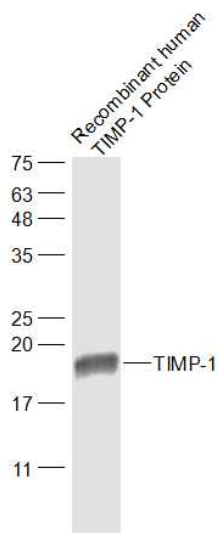
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

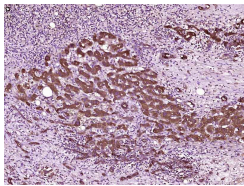
VALIDATION IMAGES



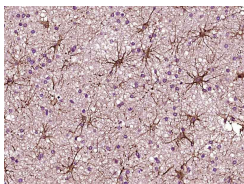
Sample: Lane 1: Mouse Stomach tissue lysates Lane 2: Mouse Lung tissue lysates Lane 3: Rat Stomach tissue lysates Lane 4: Rat Colon tissue lysates Lane 5: Rat Lung tissue lysates Primary: Anti-TIMP-1 (bsm-10895M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 21 kDa Observed band size: 28 kDa



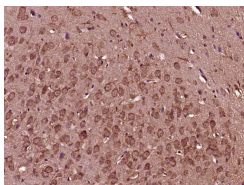
Sample: Recombinant human TIMP-1 Protein at 40 ug Primary: Anti-TIMP-1 (bsm-10895M) at 1/50000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 21 kD Observed band size: 19 kD



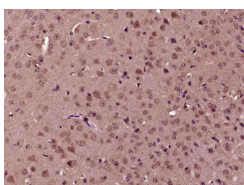
Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TIMP-1) Polyclonal Antibody, Unconjugated (bsm-10895M) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); 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 (bsm-10895M) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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) Monoclonal Antibody, Unconjugated (bsm-10895M) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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) Monoclonal Antibody, Unconjugated (bsm-10895M) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

- [IF=5.714] Yipeng Wan. et al. Ursolic acid alleviates Kupffer cells pyroptosis in liver fibrosis by the NOX2/NLRP3 inflammasome signaling pathway. INT IMMUNOPHARMACOL. 2022 Dec;113:109321 WB ; Mouse . 36252479
- [IF=5.6] Huiyuan Zhu. et al. RIG-I contributes to keratinocyte proliferation and wound repair by inducing TIMP-1 expression through NF-κB signaling pathway. J CELL PHYSIOL. 2023 Jun;; WB ; Mouse,Human . 37269543
- [IF=4.7] Qi Liu. et al. Exploring the mechanism of ursolic acid in preventing liver fibrosis and improving intestinal microbiota based on NOX2/NLRP3 inflammasome signaling pathway. CHEM-BIOL INTERACT. 2025 Jan;405:111305 WB ; Mouse . 39500482
- [IF=3.801] M Li. et al. Histology - based profile of inflammatory mediators in experimentally induced pulpitis in a rat model: screening for possible biomarkers. 2021 Mar 14 IF ; Rat . 33715185
- [IF=4.4] Yue Zhang. et al. LHPP deficiency aggravates liver fibrosis through TGF-β/Smad3 signaling. FASEB J. 2024 Oct;38(19):e70053 WB ; Mouse . 39373847