



Datasheet for ABIN668331
anti-TIMP1 antibody (AA 103-207)



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4 Images

9 Publications

Overview

Quantity:	100 µL
Target:	TIMP1
Binding Specificity:	AA 103-207
Reactivity:	Human, Rat, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TIMP-1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	TIMP1
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Target Details

Alternative Name: TIMP-1 ([TIMP1 Products](#))

Background: Synonyms: EPA, EPO, HCl, CLGI, TIMP, Metalloproteinase inhibitor 1, Erythroid-potentiating activity, Fibroblast collagenase inhibitor, Collagenase inhibitor, Tissue inhibitor of metalloproteinases 1, TIMP-1, TIMP1

Background: Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP1, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Mediates erythropoiesis in vitro, but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.

Gene ID: 7076

UniProt: [P01033](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Liang, Xiao, Long, Liu, Li, Liu, Yang: "Hydrogen sulfide alleviates myocardial fibrosis in mice with alcoholic cardiomyopathy by downregulating autophagy." in: **International journal of molecular medicine**, Vol. 40, Issue 6, pp. 1781-1791, (2018) ([PubMed](#)).

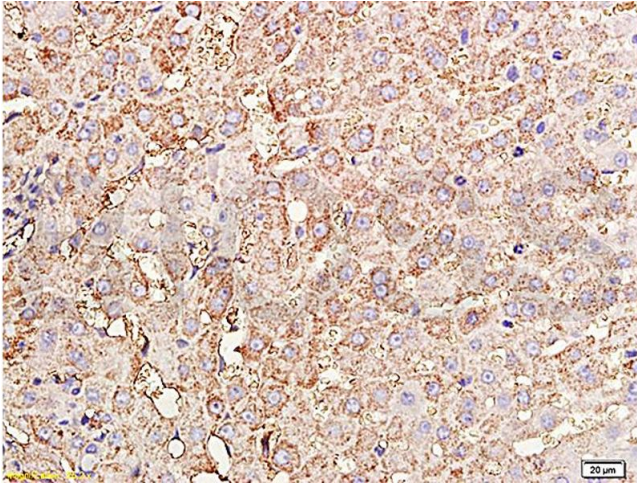
Varghese, Joseph, S R, B S, Sreelekha: "The inhibitory effect of anti- tumor polysaccharide from Punica granatum on metastasis." in: **International journal of biological macromolecules**, Vol. 103, pp. 1000-1010, (2017) ([PubMed](#)).

Sassoli, Chellini, Squecco, Tani, Idrizaj, Nosi, Giannelli, Zecchi-Orlandini: "Low intensity 635 nm diode laser irradiation inhibits fibroblast-myofibroblast transition reducing TRPC1 channel expression/activity: New perspectives for tissue fibrosis treatment." in: **Lasers in surgery and medicine**, Vol. 48, Issue 3, pp. 318-32, (2016) ([PubMed](#)).

Lu, Huang, Shih, Chang, Tsai, Lin, Shih: "Dipeptidyl peptidase-4 inhibitor decreases abdominal aortic aneurysm formation through GLP-1-dependent monocytic activity in mice." in: **PLoS ONE**, Vol. 10, Issue 4, pp. e0121077, (2015) ([PubMed](#)).

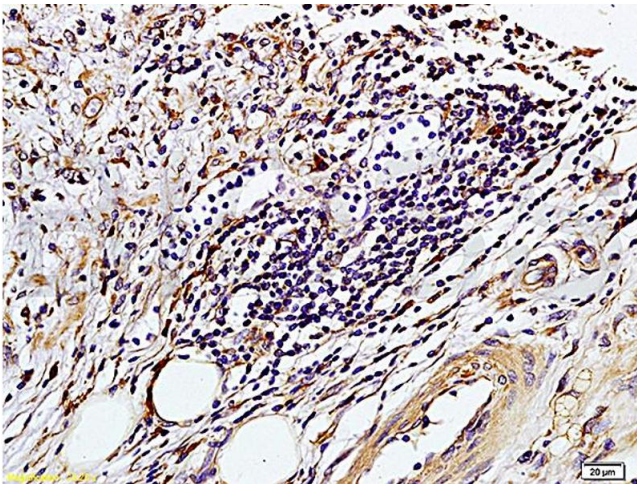
Ni, Ding, Zhou, Qiu, Tang: "Renoprotective effects of berberine through regulation of the MMPs/TIMPs system in streptozocin-induced diabetic nephropathy in rats." in: **European journal of pharmacology**, Vol. 764, pp. 448-456, (2015) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



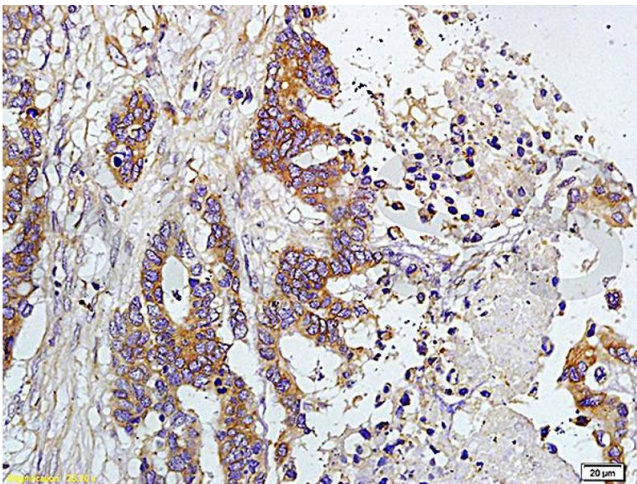
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rabbit liver tissue labeled with Rabbit Anti-TIMP-1(NT) Polyclonal Antibody, Unconjugated (ABIN668331) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti-TIMP-1(NT) Polyclonal Antibody, Unconjugated (ABIN668331) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti-TIMP-1(NT) Polyclonal Antibody, Unconjugated (ABIN668331) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN668331.