

Product Datasheet

TIMP-1 Antibody (F31 P2 A5)

NB100-74551

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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TIMP-1 Antibody (F31 P2 A5)

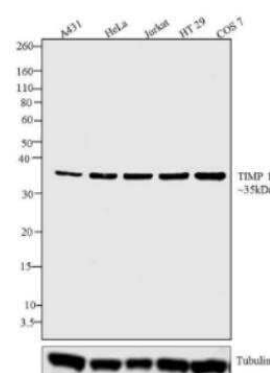
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	F31 P2 A5
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
Host	Mouse
Gene ID	7076
Gene Symbol	TIMP1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Rhesus monkey. Mouse reactivity reported in scientific literature (PMID: 19188864). Rat reactivity reported in scientific literature (PMID: 28275350).
Specificity/Sensitivity	TIMP-1 (F31 P2 A5)
Immunogen	Synthetic peptide corresponding to residues F(72) Q A L G D A A D I R(82) of mouse TIMP-1.

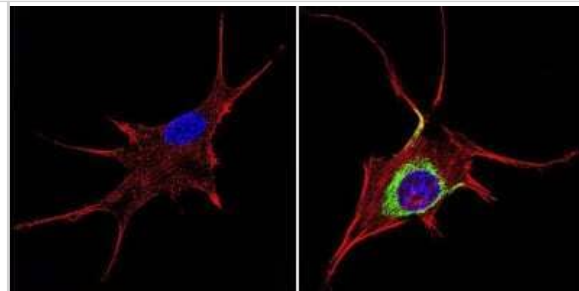
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:250 - 1:1000, Immunohistochemistry 1:20, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry-Paraffin 1:10 - 1:100

Images

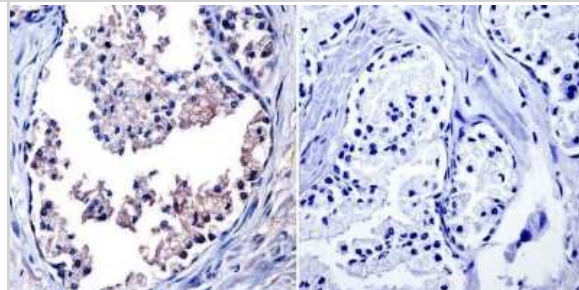
Western Blot: TIMP-1 Antibody (F31 P2 A5) [NB100-74551] - Analysis was performed on whole cell extracts (30 ug lysate) of A431 (Lane 1), HeLa (Lane 2), Jurkat (Lane 3), HT29 (Lane 4) and COS-7 (Lane 5). The blots were probed with Anti-TIMP1 Mouse .



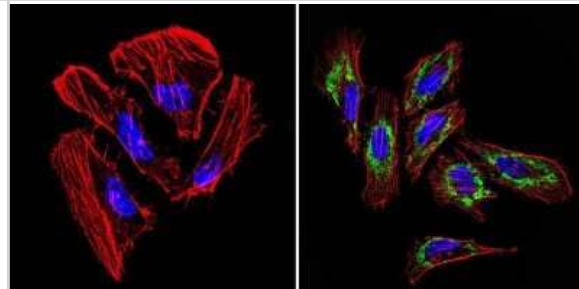
Immunocytochemistry/Immunofluorescence: TIMP-1 Antibody (F31 P2 A5) [NB100-74551] - Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes at room temperature and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a TIMP1 Monoclonal Antibody (F31 P2 A5) at a dilution of 1:20 and incubated overnight in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody for 45 minutes at room temperature in the dark. F-actin (red) was stained with a fluorescent phalloidin and nuclei (blue) were stained with DAPI.



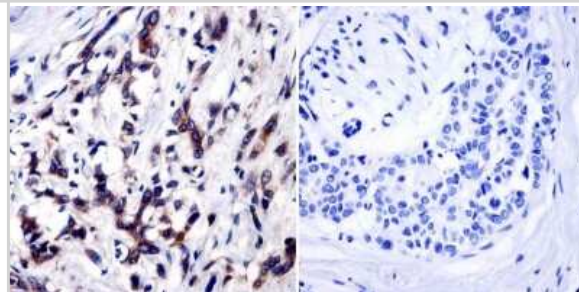
Immunohistochemistry-Paraffin: TIMP-1 Antibody (F31 P2 A5) [NB100-74551] - Normal biopsies of deparaffinized Human prostate tissue at a dilution of 1:20.



Immunocytochemistry/Immunofluorescence: TIMP-1 Antibody (F31 P2 A5) [NB100-74551] - Analysis of TIMP1 (green) in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes at room temperature and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a TIMP1 Monoclonal Antibody (F31 P2 A5) at a dilution of 1:100 and incubated overnight in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody for 45 minutes at room temperature in the dark. F-actin (red) was stained with a fluorescent phalloidin and nuclei (blue) were stained with DAPI. Images were taken at a 60X magnification.



Immunohistochemistry-Paraffin: TIMP-1 Antibody (F31 P2 A5) [NB100-74551] - Cancer biopsies of deparaffinized Human breast carcinoma tissue at a dilution of 1:20.



Publications

Cao YL, Chen WL, Lei Q et al. The transplantation of rapamycin-treated senescent human mesenchymal stem cells with enhanced proangiogenic activity promotes neovascularization and ischemic limb salvage in mice *Acta pharmacologica Sinica* 2022-04-01 [PMID: 35365781] (WB, Human)

Wu Y, Lu S, Huang X et al. Targeting cIAPs attenuates CCl4-induced liver fibrosis by increasing MMP9 expression derived from neutrophils *Life sciences* 2022-01-15 [PMID: 34914932] (WB, Mouse)

Hao M, Sun J, Zhang Y et al. Exploring the Role of SRC in Extraocular Muscle Fibrosis of the Graves' Ophthalmopathy *Front Bioeng Biotechnol* 2020-05-08 [PMID: 32457885] (WB, Mouse)

Jurga AM, Piotrowska A, Makuch W et al. Blockade of P2X4 Receptors Inhibits Neuropathic Pain-Related Behavior by Preventing MMP-9 Activation and, Consequently, Pronociceptive Interleukin Release in a Rat Model. *Front Pharmacol.* 2017-03-09 [PMID: 28275350] (WB, Rat)





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Products Related to NB100-74551

NBL1-16924	TIMP-1 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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