

产品名称: TIMP-2 Rabbit Polyclonal Antibody
产品货号: APRab18951



产品概述 (Summary)

产品名称 (Production Name)	TIMP-2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TIMP2
别名 (Alternative Names)	TIMP2; Metalloproteinase inhibitor 2; CSC-21K; Tissue inhibitor of metalloproteinases 2; TIMP-2
基因 ID (Gene ID)	7077.0
蛋白 ID (SwissProt ID)	P16035.The antiserum was produced against synthesized peptide derived from human TIMP2. AA range:21-70

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	25kDa

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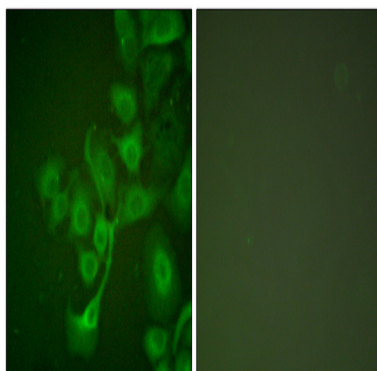
研究背景 (Background)

This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008],function:Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19,PTM:The activity of TIMP2 is dependent on the presence of disulfide bonds.,similarity:Belongs to the protease inhibitor I35 (TIMP) family.,similarity:Contains 1 NTR domain.,

研究领域 (Research Area)

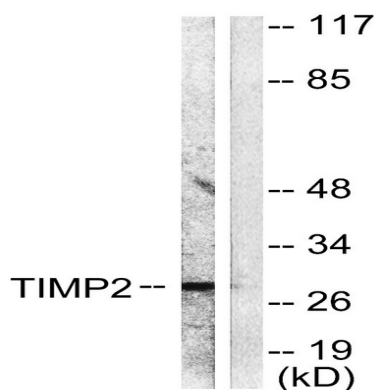
Thrombosis; Endothelial mediators/regulators; Cardiovascular; Angiogenesis; Adhesion / ECM; Matrix Metalloproteinases; TIMP; Signal Transduction; Cytoskeleton / ECM; Extracellular Matrix; ECM Enzymes; TIMP1 / TIMP2; Cancer; Invasion/microenvironment; Angiogenesis; ECM enzymes; TIMPs; Cancer; Cell Biology; Proteolysis / Ubiquitin; Protease inhibitors; Metalloprotease inhibitors

图片 (Image Data)

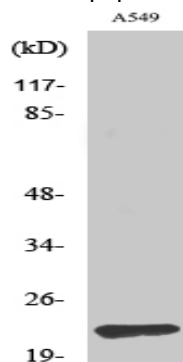


Immunofluorescence analysis of A549 cells, using TIMP2 Antibody. The picture on the right is blocked with the synthesized peptide.

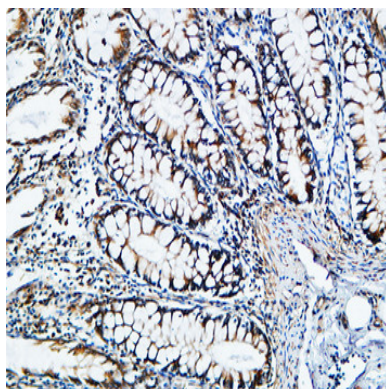
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Western blot analysis of lysates from A549 cells, using TIMP2 Antibody. The lane on the right is blocked with the synthesized peptide.

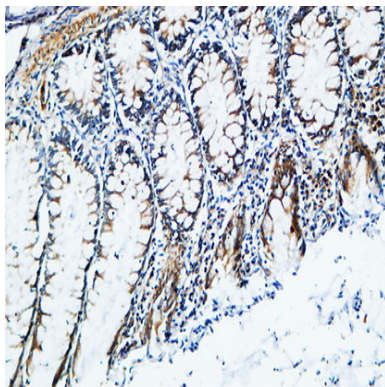


Western Blot analysis of various cells using TIMP-2 Polyclonal Antibody diluted at 1: 1000. Secondary antibody was diluted at 1:20000

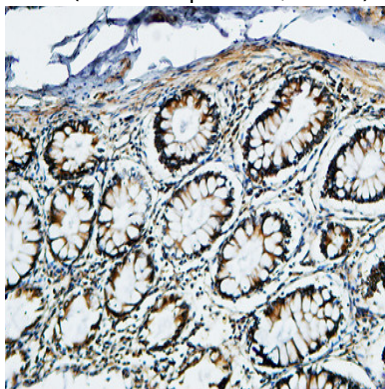


Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

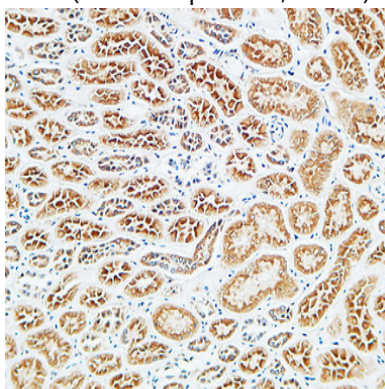
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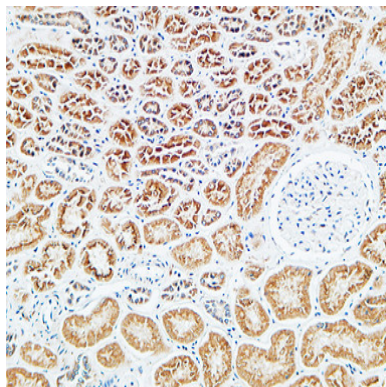


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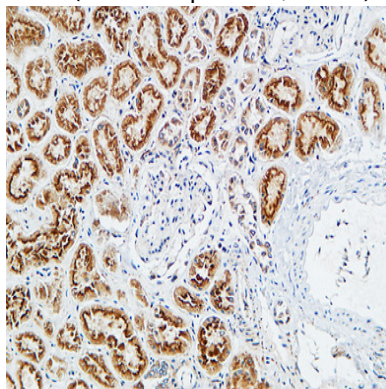


Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

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注意事项 (Note)

For research use only .