

产品名称: MMP-8 Rabbit Polyclonal Antibody
产品货号: APRab13998



产品概述 (Summary)

产品名称 (Production Name)	MMP-8 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)	MMP8
别名 (Alternative Names)	MMP8; CLG1; Neutrophil collagenase; Matrix metalloproteinase-8; MMP-8; PMNL collagenase; PMNL-CL
基因 ID (Gene ID)	4317.0
蛋白 ID (SwissProt ID)	P22894.The antiserum was produced against synthesized peptide derived from human MMP-8. AA range:418-467

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	55kDa

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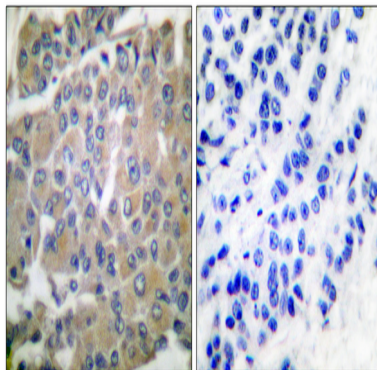
研究背景 (Background)

matrix metalloproteinase 8(MMP8) Homo sapiens This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015],catalytic activity: Cleavage of interstitial collagens in the triple helical domain. Unlike EC 3.4.24.7, this enzyme cleaves type III collagen more slowly than type I.,cofactor: Binds 2 zinc ions per subunit.,cofactor: Binds 3 calcium ions per subunit.,domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,enzyme regulation: Cannot be activated without removal of the activation peptide.,function: Can degrade fibrillar type I, II, and III collagens.,similarity: Belongs to the peptidase M10A family.,similarity: Contains 4 hemopexin-like domains.,subcellular location: Stored in intracellular granules.,tissue specificity: Neutrophils.,

研究领域 (Research Area)

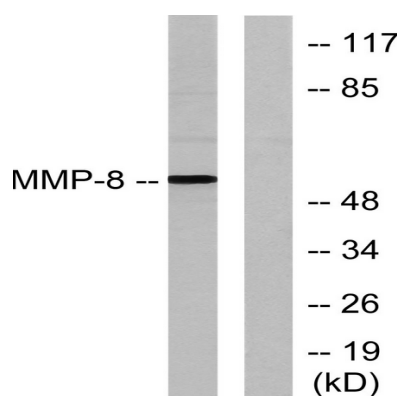
Angiogenesis

图片 (Image Data)

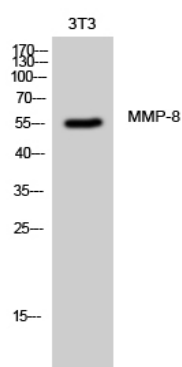


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using MMP-8 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from NIH/3T3 cells, using MMP-8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of 3T3 cells using MMP-8 Polyclonal Antibody

注意事项 (Note)

For research use only .