

产品名称: MMP-7 Rabbit Polyclonal Antibody
产品货号: APRab13996



产品概述 (Summary)

产品名称 (Production Name)	MMP-7 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,Monkey

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)	MMP7
别名 (Alternative Names)	MMP7; MPSL1; PUMP1; Matrilysin; Matrin; Matrix metalloproteinase-7; MMP-7; Pump-1 protease; Uterine metalloproteinase
基因 ID (Gene ID)	4316.0
蛋白 ID (SwissProt ID)	P09237.The antiserum was produced against synthesized peptide derived from human MMP-7. AA range:218-267

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 1:20000-1:40000
蛋白分子量 (Molecular Weight)	29kDa

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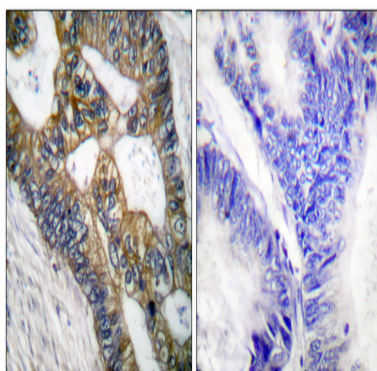
研究背景 (Background)

matrix metalloproteinase 7(MMP7) Homo sapiens This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers. [provided by RefSeq, Jan 2016],catalytic activity: Cleavage of 14-Ala-|-Leu-15 and 16-Tyr-|-Leu-17 in B chain of insulin. No action on collagen types I, II, IV, V. Cleaves gelatin chain alpha-2(I) > alpha-1(I).,cofactor: Binds 2 calcium ions per subunit.,cofactor: Binds 2 zinc 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.,function: Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.,similarity: Belongs to the peptidase M10A family.,

研究领域 (Research Area)

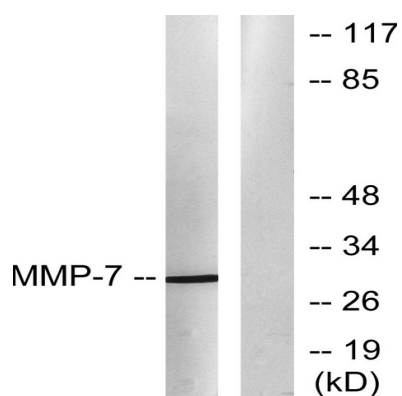
WNT;WNT-T CELL

图片 (Image Data)

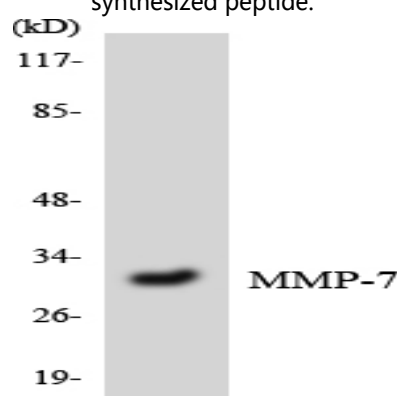


Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using MMP-7 Antibody. The picture on the right is blocked with the synthesized peptide.

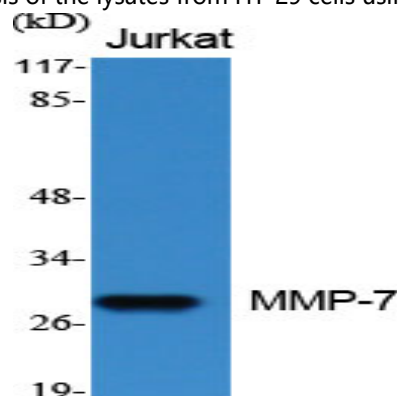
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Western blot analysis of lysates from COS7 cells, using MMP-7 Antibody. The lane on the right is blocked with the synthesized peptide.

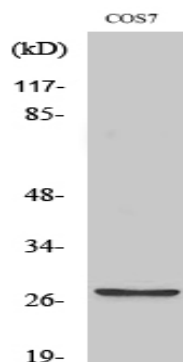


Western blot analysis of the lysates from HT-29 cells using MMP-7 antibody.

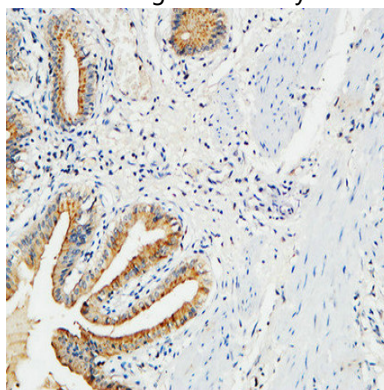


Western Blot analysis of various cells using MMP-7 Polyclonal Antibody diluted at 1: 500

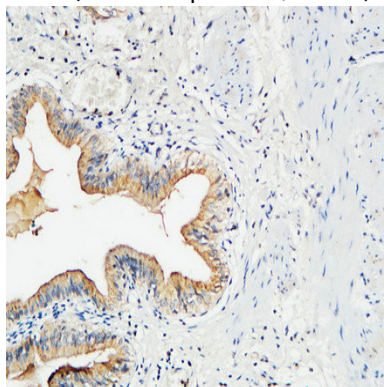
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Western Blot analysis of COS7 cells using MMP-7 Polyclonal Antibody diluted at 1: 500

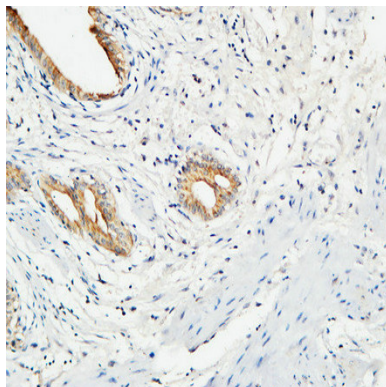


Immunohistochemical analysis of paraffin-embedded Human gallbladder. 1, Antibody was diluted at 1:100 (4°,overnight) .
2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

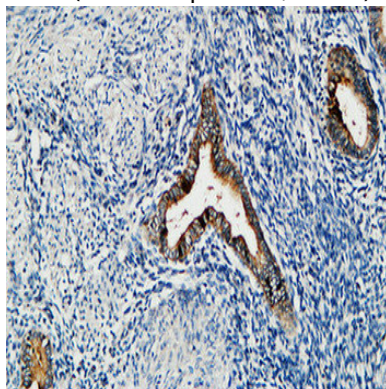


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Immunohistochemical analysis of paraffin-embedded Human uterus. 1, Antibody was diluted at 1:100 (4°,overnight) . 2,
High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at
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注意事项 (Note)

For research use only .