

产品名称: MMP-15 Rabbit Polyclonal Antibody
产品货号: AP Rab13982



产品概述 (Summary)

产品名称 (Production Name)	MMP-15 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human,Mouse

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)	MMP15
别名 (Alternative Names)	MMP15; Matrix metalloproteinase-15; MMP-15; Membrane-type matrix metalloproteinase 2; MT-MMP 2; MTMMP2; Membrane-type-2 matrix metalloproteinase; MT2-MMP; MT2MMP; SMCP-2
基因 ID (Gene ID)	4324.0
蛋白 ID (SwissProt ID)	P51511.The antiserum was produced against synthesized peptide derived from human MMP-15. AA range:611-660

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量 (Molecular Weight)	80kDa

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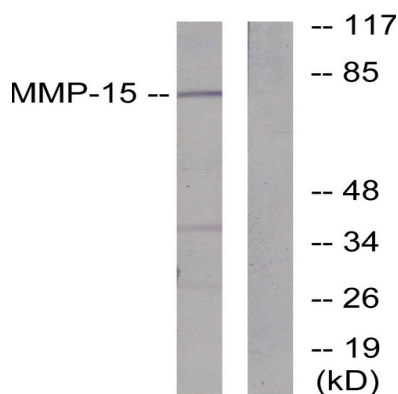
研究背景 (Background)

This gene encodes a member of the peptidase M10 family and membrane-type subfamily 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. Members of this subfamily contain a transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. The encoded preproprotein is proteolytically processed to generate the mature protease. This protein may play a role in cancer progression. [provided by RefSeq, Jan 2016],cofactor: Binds 1 zinc ion per subunit.,cofactor: Calcium.,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: Endopeptidase that degrades various components of the extracellular matrix. May activate progelatinase A.,PTM: The precursor is cleaved by a furin endopeptidase.,similarity: Belongs to the peptidase M10A family.,similarity: Contains 4 hemopexin-like domains.,tissue specificity: Appeared to be synthesized preferentially in liver, placenta, testis, colon and intestine. Substantial amounts are also detected in pancreas, kidney, lung, heart and skeletal muscle.,

研究领域 (Research Area)

Angiogenesis

图片 (Image Data)



Western blot analysis of lysates from MDA-MB-435 cells, using MMP-15 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .