

产品名称: Cleaved-MMP-3 (F100) Rabbit Polyclonal Antibody
产品货号: APRab09016



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-MMP-3 (F100) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,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)	MMP3
别名 (Alternative Names)	MMP3; STMY1; Stromelysin-1; SL-1; Matrix metalloproteinase-3; MMP-3; Transin-1
基因 ID (Gene ID)	4314.0
蛋白 ID (SwissProt ID)	P08254.The antiserum was produced against synthesized peptide derived from human MMP3. AA range:81-130

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	43kDa

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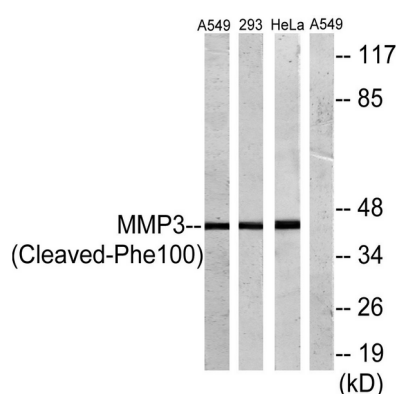
研究背景 (Background)

matrix metalloproteinase 3(MMP3) Homo sapiens Proteins of the matrix metalloproteinase (MMP) 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. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008],catalytic activity:Preferential cleavage where P1', P2' and P3' are hydrophobic residues.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Binds 4 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.,function:Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.,similarity:Belongs to the peptidase M10A family.,similarity:Contains 4 hemopexin-like domains.,

研究领域 (Research Area)

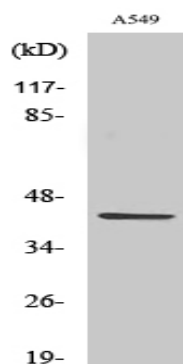
Angiogenesis

图片 (Image Data)



Western blot analysis of lysates from A549, 293, and HeLa cells, treated with etoposide 25uM 24h, using MMP3 (Cleaved-Phe100) Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cleaved-MMP-3 (F100) Polyclonal Antibody

注意事项 (Note)

For research use only .