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MMP2 Rabbit mAb

货号: AAY1171

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IF ELISA
推荐浓度	**WB:** 1:1000-1:3000 **IF:** 1:200-1:800 **ELISA:** 1:5000-1:20000
理论分子量	74kD
实测分子量	62-74kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.173.
偶联物	Unconjugated
阳性对照	C2C12,293T
细胞定位	Secreted, extracellular space, extracellular matrix, Membrane, Nucleus, Cytoplasm, Mitochondrion
纯化	亲和纯化

抗原信息

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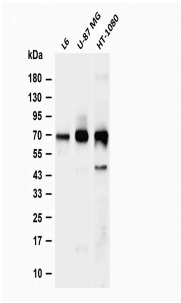
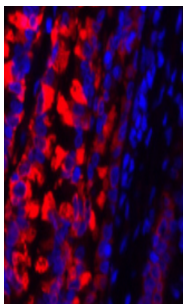
靶点信息

研究背景	This gene is a member of the matrix metalloproteinase (MMP) gene family, that are zinc-dependent enzymes capable of cleaving components of the extracellular matrix and molecules involved in signal transduction. The protein encoded by this gene is a gelatinase A, type IV collagenase, that contains three fibronectin type II repeats in its catalytic site that allow binding of denatured type IV and V collagen and elastin. Unlike most MMP family members, activation of this protein can occur on the cell membrane. This enzyme can be activated extracellularly by proteases, or, intracellulary by its S-glutathiolation with no requirement for proteolytical removal of the pro-domain. This protein is thought to be involved in multiple pathways including roles in the nervous system, endometrial menstrual breakdown, regulation of vascularization, and metastasis. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.
基因ID	4313
基因名	MMP2
Swiss	P08253 (https://www.uniprot.org/uniprotkb/P08253/entry)
别名	MMP2;72 kDa type IV collagenase;MMP2;CLG4A;72 kDa type IV collagenase;72 kDa gelatinase;Gelatinase A;Matrix metalloproteinase-2;MMP-2;TBE-1

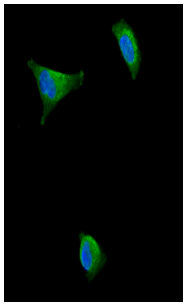
产品验证



Western blot analysis of various lysates using MMP2 at 1:1000 dilution.



Immunofluorescence analysis of rat-lung tissue. 1,MMP-2 Antibody was diluted at 1:200



Immunofluorescence analysis of NCI-H1975 cells labelling MMP2 with . The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Goat Anti-Rabbit IgG Fluor488 (1:200，shown in green) at room temprature for 1h.

实验步骤

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