

Anti-MMP11 Antibody

Catalog # AP51347

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P24347
Reactivity	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54590

Additional Information

Gene ID	4320
Other Names	STMY3; Stromelysin-3; SL-3; ST3; Matrix metalloproteinase-11; MMP-11
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MMP11. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

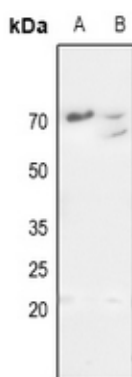
Protein Information

Name	MMP11
Synonyms	STMY3
Function	May play an important role in the progression of epithelial malignancies.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Specifically expressed in stromal cells of breast carcinomas

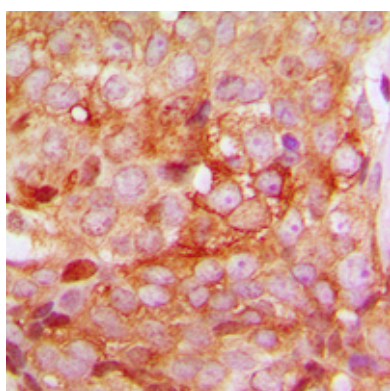
References

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Dunham I.,et al.Nature 402:489-495(1999).
Anglard P.,et al.J. Biol. Chem. 270:20337-20344(1995).
Pei D.,et al.Nature 375:244-247(1995).

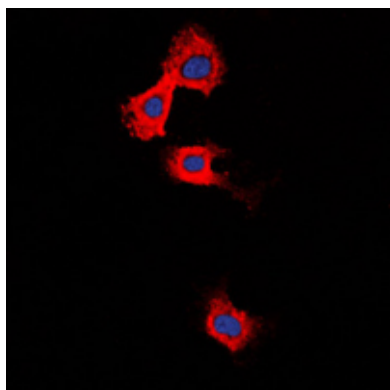
Images



Western blot analysis of MMP11 expression in mouse kidney (A), rat kidney (B) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 60 kD)



Immunohistochemical analysis of MMP11 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MMP11 staining in Raw264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Citations

- [Nkx2-5 Is Expressed in Atherosclerotic Plaques and Attenuates Development of Atherosclerosis in Apolipoprotein E-Deficient Mice.](#)

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