

Anti-MMP10 Antibody

Catalog # AP95417

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P09238
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54151

Additional Information

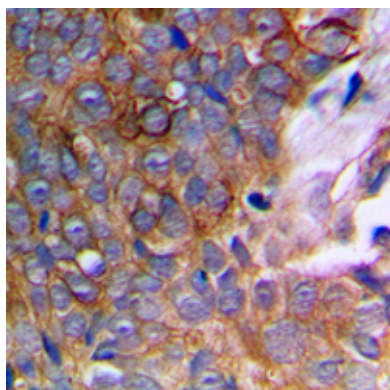
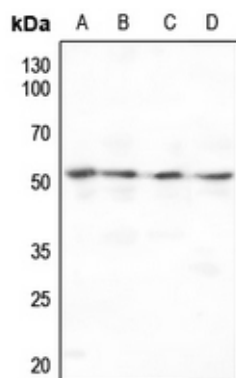
Gene ID	4319
Other Names	STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MMP10. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 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

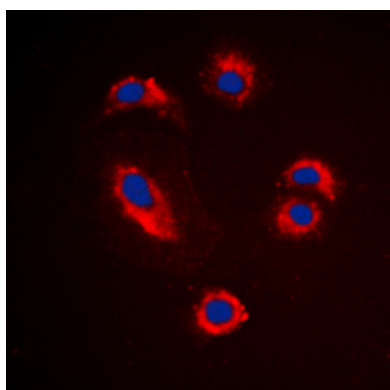
Name	MMP10
Synonyms	STMY2
Function	Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.
Cellular Location	Secreted, extracellular space, extracellular matrix

Images

Western blot analysis of MMP10 expression in Hela (A), H446 (B), H1688 (C), mouse testis (D) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 57 kD)



Immunohistochemical analysis of MMP10 staining in human prostate 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 MMP10 staining in Jurkat 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.