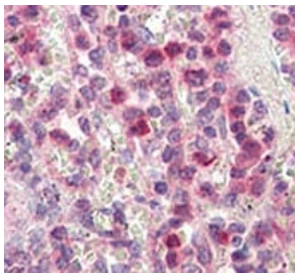
MMP9 Antibody (F49503)

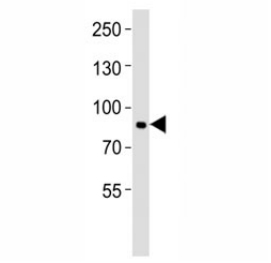
Catalog No.	Formulation	Size
F49503-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49503-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

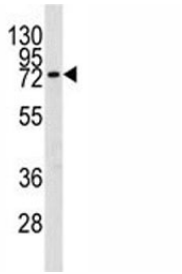
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P14780
Localization	Cytoplasmic, nuclear, secreted
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This MMP9 antibody is available for research use only.



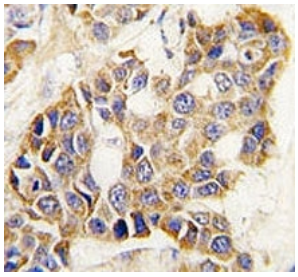
IHC analysis of FFPE human spleen tissue stained with MMP9 antibody



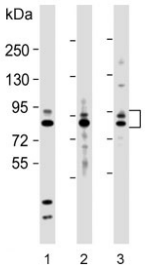
Western blot analysis of lysate from NCI-H1299 cell line using MMP9 antibody at 1:1000.
Predicted molecular weight: 92/67-80 kDa (precursor/mature forms).



Western blot analysis of MMP9 in mouse spleen lysate. Predicted molecular weight: 92/67-80 kDa (precursor/mature forms).



IHC analysis of FFPE human breast carcinoma tissue stained with MMP9 antibody



Western blot testing of human 1) NCI-H1299, 2) HL60 and 3) A431 cell lysate with MMP9 antibody. Predicted molecular weight: 92/67-80 kDa (precursor/mature forms).

Description

MMP9 may play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-|-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide. [UniProt]

Application Notes

Titration of the MMP9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 644-673 from the human protein was used as the immunogen for this MMP9 antibody.

Storage

Aliquot the MMP9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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