

Product datasheet for **AP13187PU-N**

MMP9 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blotting: 1/2000. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 644-673 amino acids from the C-terminal region of Human MMP9.
Specificity:	This antibody reacts to MMP9.
Formulation:	PBS with 0.09% (W/V) Sodium Azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	78458 Da
Gene Name:	matrix metalloproteinase 9
Database Link:	Entrez Gene 4318 Human P14780



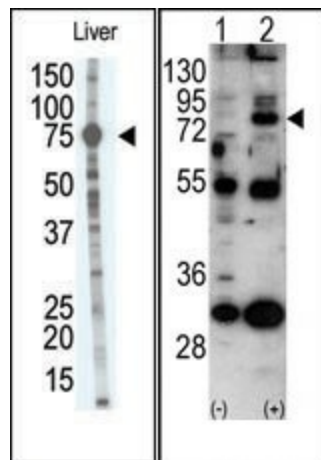
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Background:

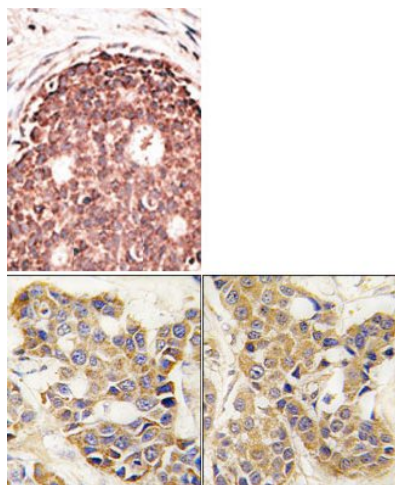
Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP9 degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

Synonyms:

Matrix metalloproteinase-9, MMP9, 92 kDa type IV collagenase, 92 kDa gelatinase, GELB, Gelatinase B, CLG4B

Product images:


(left) Western blot analysis of anti-MMP9 Pab in mouse liver tissue lysate (35ug/lane). MMP9 (arrow) was detected using the purified Pab. (Right) Western blot analysis of MMP9 (arrow) using rabbit polyclonal MMP9 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MMP9 gene (Lane 2)



(TOP) Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. (BOTTOM) Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MMP9 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.