

# Anti-MMP9 Polyclonal Antibody

Cat: AC51127

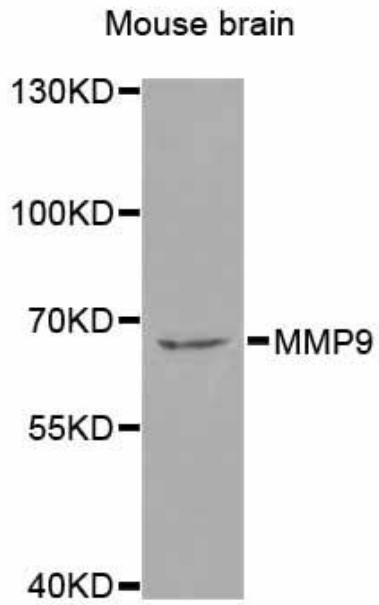
## Summary:

- 【Product name】** : Anti-MMP9 antibody      **【Source】** : Rabbit  
**【Isotype】** : IgG      **【Species reactivity】** : Human Mouse  
**【Swiss Prot】** : P14780      **【Gene ID】** : 4318  
**【Calculated】** : MW:78kDa      **【Observed】** : MW:65kDa  
**【Purification】** : Affinity purification  
**【Tested applications】** : WB, IHC  
**【Recommended dilution】** : WB 1:200-500. IHC 1:100-200.  
**【WB Positive sample】** : Mouse brain  
**【IHC Positive sample】** : Human stomach tissue  
**【Subcellular location】** : Secreted extracellular matrix extracellular space  
**【Immunogen】** : A synthetic peptide of human MMP9  
**【Storage】** : Shipped at 4°C. Upon delivery aliquot and store at -20°C

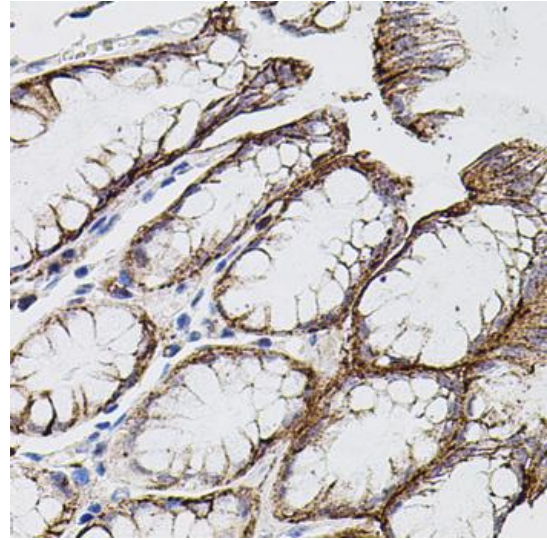
## Background:

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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene 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.

## Verified picture



Western blot analysis with MMP9 antibody diluted at 1:1000



Immunohistochemistry of paraffin-embedded Human stomach tissue with MMP9 antibody diluted at 1:100