

## Basic Information

Product Name	Anti-MMP3 Antibody
Gene Name	MMP3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of human MMP3, different from the related mouse sequence by seven amino acids, and from the related rat sequence by ten amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	54 kDa
Dilution Ratios	Western blot (WB):1:500-2000

## Storage

12 months from date of receipt, -20°C as supplied.

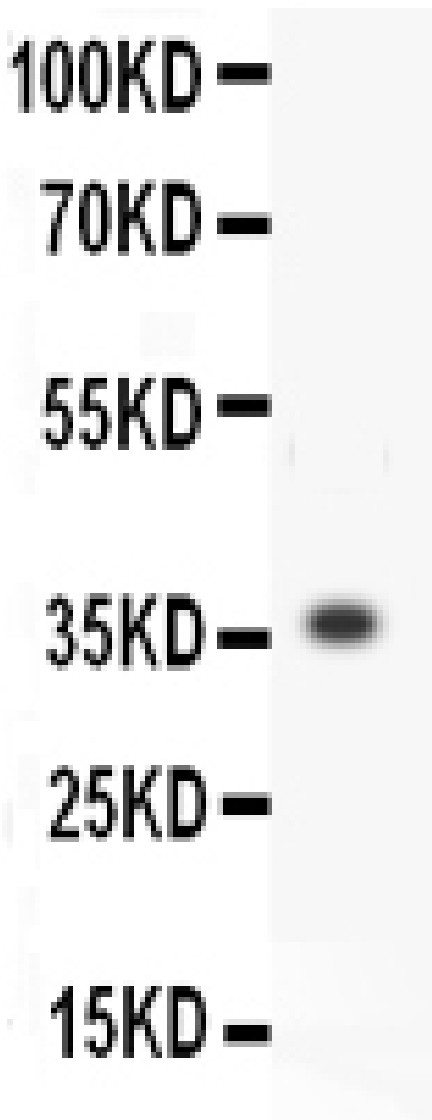
## Background Information

Stromelysin-1, also known as matrix metalloproteinase-3 (MMP-3), is an enzyme that in humans is encoded by the MMP3 gene. It is mapped to 11q22.2. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix and during tissue remodeling in normal physiological processes, such as embryonic development and reproduction, as well as in disease processes, such as arthritis, and tumour metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

## Reference

Anti-MMP3 Antibody被引用在5文献中。

## Selected Validation Data



Western blot analysis of MMP3 using anti-MMP3 antibody (PB0265).

Lane 1: recombinant Human MMP3 Protein 0.5ng.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MMP3 antigen affinity purified polyclonal antibody (PB0265) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MMP3 at approximately 36 kDa.