

**MMP3 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6211a**

**Specification**

**MMP3 Antibody (Center) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P08254</a>
Other Accession	<a href="#">NP_002413</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	53977
Antigen Region	298-327

**MMP3 Antibody (Center) - Additional Information**

**Gene ID** 4314

**Other Names**

Stromelysin-1, SL-1, Matrix metalloproteinase-3, MMP-3, Transin-1, MMP3, STMY1

**Target/Specificity**

This MMP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 298-327 amino acids from the Central region of human MMP3.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50  
FC~~1:10~50

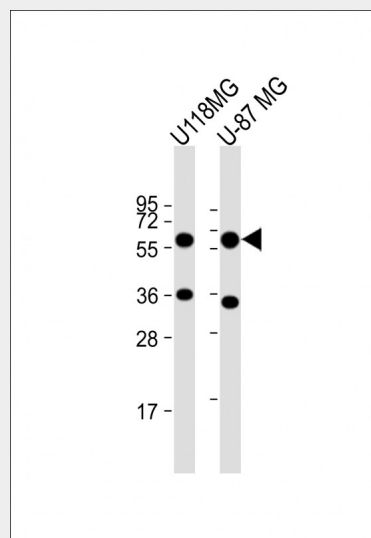
**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

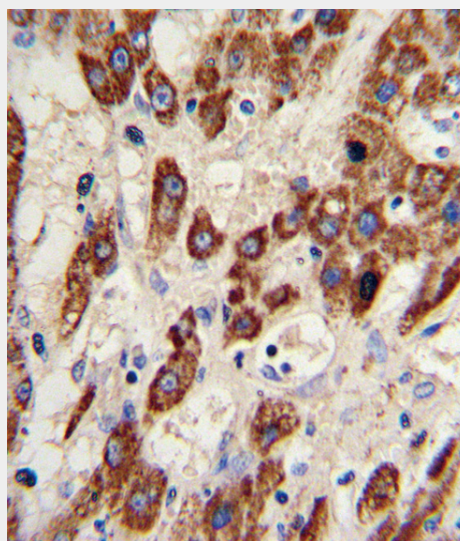
**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**



All lanes : Anti-MMP3 Antibody (H313) at 1:1000 dilution Lane 1: U118MG whole cell lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with MMP3 Antibody (Center), which was

MMP3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

#### MMP3 Antibody (Center) - Protein Information

**Name** MMP3

**Synonyms** STMY1

#### Function

Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.

#### Cellular Location

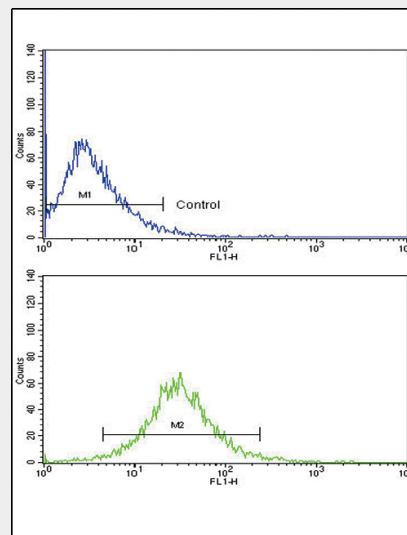
Secreted, extracellular space, extracellular matrix

#### MMP3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of HepG2 cells using MMP3 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### MMP3 Antibody (Center) - 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. MMP3 is an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

#### MMP3 Antibody (Center) - References

Sage, E.H., et al., J. Biol. Chem. 278(39):37849-37857 (2003).  
Matsuyama, A., et al., Circulation 108(12):1469-1473 (2003).  
Mercapide, J., et al., Int. J. Cancer

106(5):676-682 (2003).  
Bodemer, C., et al., J. Invest. Dermatol.  
121(2):273-279 (2003).  
Kang, M.K., et al., Exp. Cell Res.  
287(2):272-281 (2003).