

**MMP3 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11969****Specification**

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**MMP3 antibody - middle region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P28862</a>
Other Accession	<a href="#">NM_002422</a> , <a href="#">NP_002413</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Sheep, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

**MMP3 antibody - middle region - Additional Information****Gene ID** 17392

Alias Symbol	CHDS6, MGC126102, MGC126103, MGC126104, MMP-3, SL-1, STMY, STMY1, STR1
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**Other Names**

Stromelysin-1, SL-1, 3.4.24.17, EMS-2, Matrix metalloproteinase-3, MMP-3, Transin-1, Mmp3

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-MMP3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

MMP3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**MMP3 antibody - middle region - Protein Information****Name** Mmp3**Function**

Metalloproteinase with a rather broad substrate specificity that can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates different molecules including growth factors, plasminogen or other matrix metalloproteinases such as MMP9. Once released into the extracellular matrix (ECM), the inactive pro-enzyme is activated by the plasmin cascade signaling pathway. Acts also intracellularly. For example, in dopaminergic

neurons, gets activated by the serine protease HTRA2 upon stress and plays a pivotal role in DA neuronal degeneration by mediating microglial activation and alpha-synuclein/SNCA cleavage (PubMed:<a href="http://www.uniprot.org/citations/17116747" target="\_blank">17116747</a>). In addition, plays a role in immune response and possesses antiviral activity against various viruses (PubMed:<a href="http://www.uniprot.org/citations/35940311" target="\_blank">35940311</a>). Mechanistically, translocates from the cytoplasm into the cell nucleus upon virus infection to influence NF-kappa-B activities (PubMed:<a href="http://www.uniprot.org/citations/35940311" target="\_blank">35940311</a>).

#### **Cellular Location**

Secreted, extracellular space, extracellular matrix

#### **MMP3 antibody - middle region - 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](#)

#### **MMP3 antibody - middle region - Images**




Application: IHC

Species+tissue/cell type: Control-Human small intestine, Sample-human colorectal cancer

Primary Antibody Dilution: 1:100

Secondary Antibody: Biotinylated pig anti-rabbit+streptavidin-HRP



90 kDa  
65 kDa  
40 kDa  
31 kDa  
22 kDa

WB Suggested Anti-MMP3 Antibody Titration: 0.2-1  $\mu$ g/ml

ELISA Titer: 1:62500

Positive Control: Hela cell lysate