

**MMP3 Rabbit mAb**  
Catalog # AP75731**Specification****MMP3 Rabbit mAb - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P08254</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>53977</b>

**MMP3 Rabbit mAb - Additional Information**

Gene ID 4314

**Other Names**

MMP3

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**MMP3 Rabbit mAb - Protein Information**

Name MMP3

Synonyms STMY1

**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 (PubMed: [11029580](http://www.uniprot.org/citations/11029580)), PubMed: [1371271](http://www.uniprot.org/citations/1371271)). Once released into the extracellular matrix (ECM), the inactive pro-enzyme is activated by the plasmin cascade signaling pathway (PubMed: [2383557](http://www.uniprot.org/citations/2383557)). Acts also intracellularly (PubMed: [22265821](http://www.uniprot.org/citations/22265821)). 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: [21330369](http://www.uniprot.org/citations/21330369)). In addition, plays a role in immune response and possesses antiviral activity against various viruses such as vesicular stomatitis virus, influenza A virus (H1N1) and human herpes virus 1 (PubMed:

[35940311](http://www.uniprot.org/citations/35940311)). Mechanistically, translocates from the cytoplasm into the cell nucleus upon virus infection to influence NF-kappa-B activities (PubMed: [35940311](http://www.uniprot.org/citations/35940311)).

#### Cellular Location

Secreted, extracellular space, extracellular matrix. Nucleus. Cytoplasm

#### MMP3 Rabbit mAb - 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 Rabbit mAb - Images



