

# MMP3 Rabbit mAb

Catalog # AP75731

## Product Information

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

## Additional Information

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Gene ID	4314
Other Names	MMP3
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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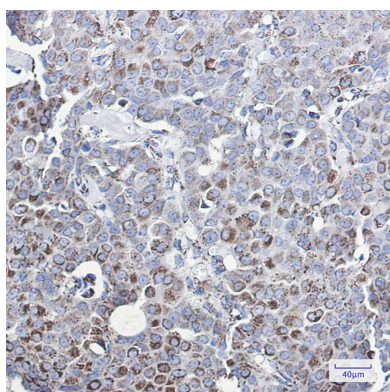
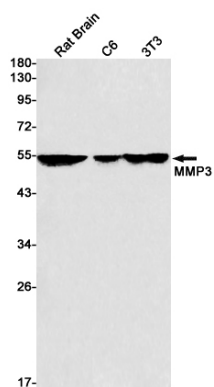
Name	MMP3
Synonyms	STMY1
Function	<p>Metalloproteinase with a rather broad substrate specificity that can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates different molecules including growth factors, plasminogen or other matrix metalloproteinases such as MMP9 (PubMed:<a href="#">11029580</a>, PubMed:<a href="#">1371271</a>). Once released into the extracellular matrix (ECM), the inactive pro-enzyme is activated by the plasmin cascade signaling pathway (PubMed:<a href="#">2383557</a>). Also acts intracellularly (PubMed:<a href="#">22265821</a>). 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="#">21330369</a>). 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:<a href="#">35940311</a>). Mechanistically, translocates from the cytoplasm into the cell nucleus upon virus infection to influence NF-kappa-B activities (PubMed:<a href="#">35940311</a>).</p>

## Cellular Location

Secreted, extracellular space, extracellular matrix. Nucleus. Cytoplasm

## Images

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