

Cleaved-MMP-3 (F100) Polyclonal Antibody
Catalog # AP63141**Specification****Cleaved-MMP-3 (F100) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P08254
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Cleaved-MMP-3 (F100) Polyclonal Antibody - Additional Information**Gene ID** 4314**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cleaved-MMP-3 (F100) Polyclonal Antibody - 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). Mechanistically, translocates from the cytoplasm into the cell nucleus upon virus infection to influence NF-kappa-B activities (PubMed:35940311).

Cellular Location

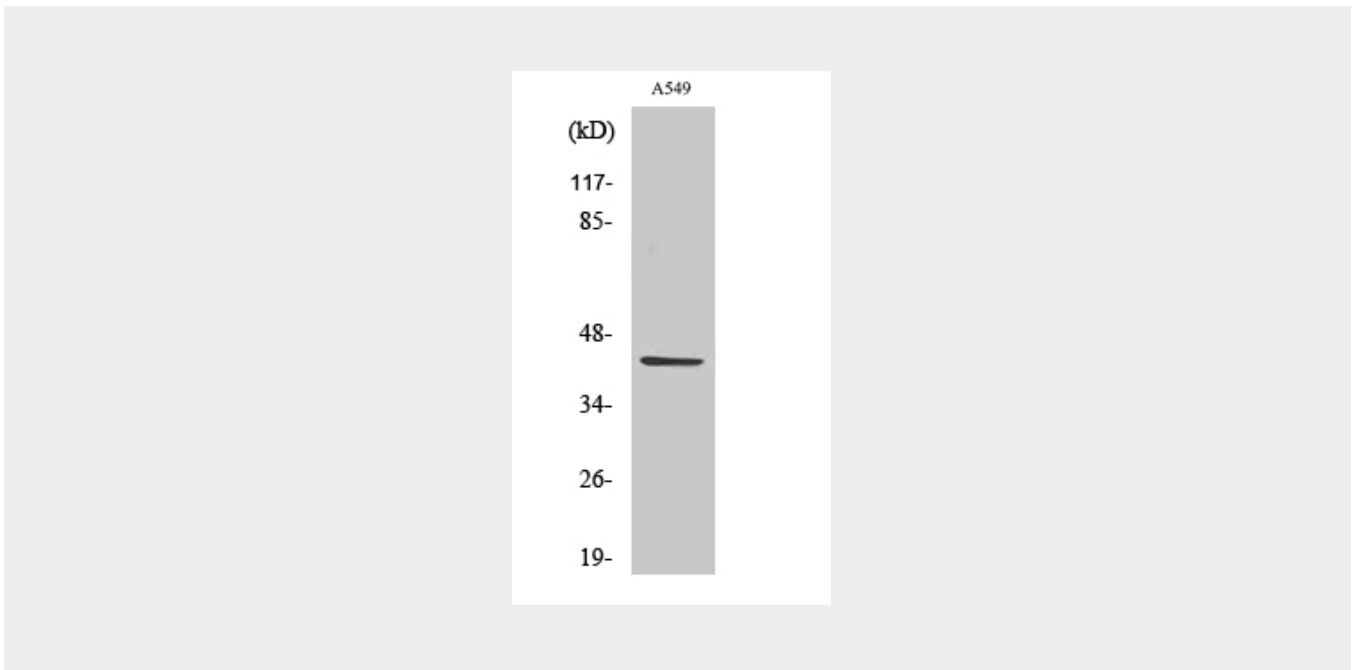
Secreted, extracellular space, extracellular matrix. Nucleus. Cytoplasm

Cleaved-MMP-3 (F100) Polyclonal Antibody - 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](#)

Cleaved-MMP-3 (F100) Polyclonal Antibody - Images



Cleaved-MMP-3 (F100) Polyclonal Antibody - Background

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