10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MMP3 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11969

Specification

MMP3 antibody - middle region - Product Information

Application	**WB, IHC**
Primary Accession	P28862
Other Accession	NM_002422, NP_002413
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**

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. Also acts 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:17116747). In addition, plays a role in immune response and possesses antiviral activity against various viruses (PubMed:35940311). Mechanistically, translocates from the cytoplasm into the cell nucleus upon virus infection to influence NF-kappa-B activities (PubMed:35940311).

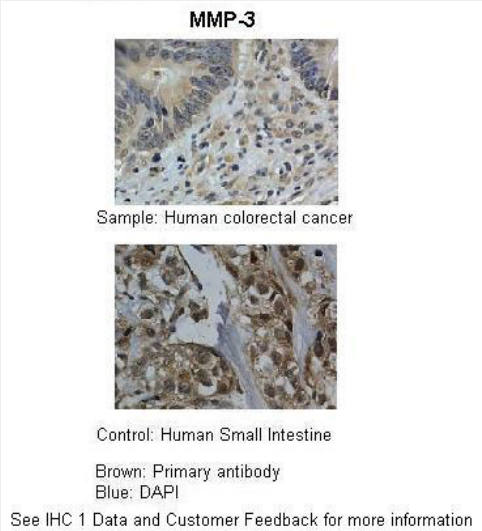
Cellular Location
Secreted, extracellular space, extracellular matrix

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 Cytomety
- 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

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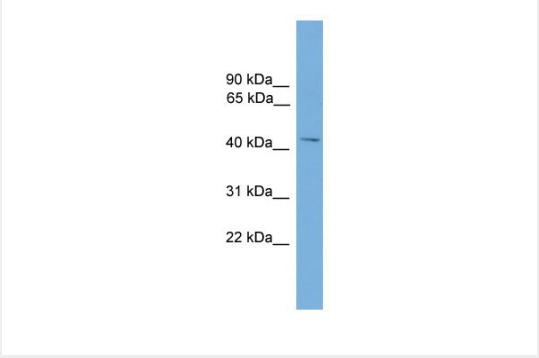

WB Suggested Anti-MMP3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Hela cell lysate