

MMP3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # Al11969

Specification

MMP3 antibody - middle region - Product Information

Application IHC, WB 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 Rabb

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. 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: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

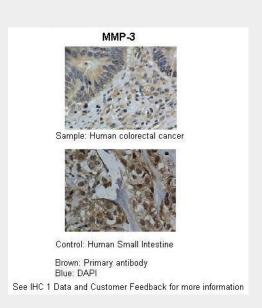
Secreted, extracellular space, extracellular matrix

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

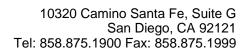


Application: IHC

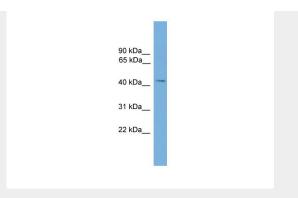
Species+tissue/cell type: Control-Human small intestine, Sample-human colorectal cancer

Primary Antibody Dilution: 1:100

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







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

ELISA Titer: 1:62500

Positive Control: Hela cell lysate