

## Rabbit MMP10 Polyclonal Antibody | anti-MMP10 antibody

MMP10 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA326884 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

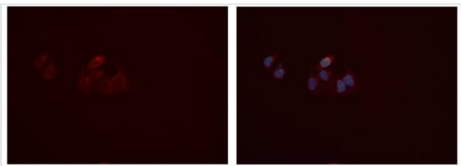
### PRODUCT SYNONYMS

MMP10; Polyclonal Antibody; MMP10 Antibody; Matrix metallopeptidase 10 (stromelysin 2); Matrix metalloprotease 10; Matrix metalloproteinase 10 (stromelysin 2); Matrix metalloproteinase 10; Matrix metalloproteinase-10; MMP 10; MMP-10; Mmp10; MMP10\_HUMAN; SL 2; SL-2; SL2; STMY 2; STMY2; Stromelysin 2; Stromelysin II; Stromelysin-2; Stromelysin2; StromelysinII; Transin 2; Transin-2; Transin2; anti-MMP10 antibody

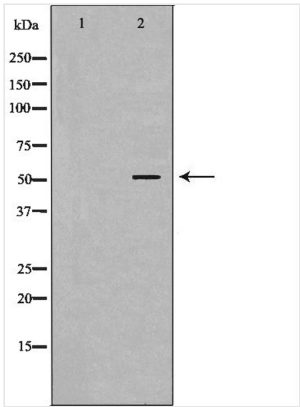
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                             |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | MMP10 antibody detects endogenous levels of total MMP10                                       |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 476                                                                                           |
| Applicable Applications for anti-MMP10 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                       | A synthetic peptide of human MMP10                                                            |
| Subcellular Location                            | Secreted > Extracellular Space > Extracellular Matrix.                                        |
| Predicted Cross Reactivity                      | <b>Pig, Rabbit</b>                                                                            |
| Similarity                                      | Pig (86%), Rabbit (93%)                                                                       |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

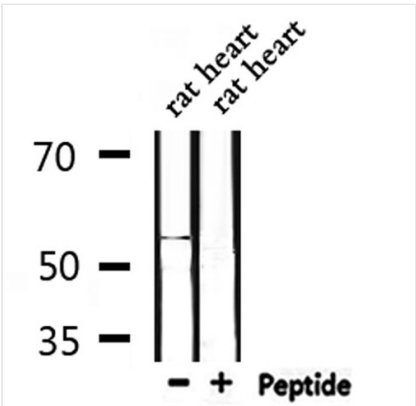
IMAGES



**IF (Immunofluorescence)**  
AAA326884 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.



**WB (Western Blot)**  
Western blot analysis of extracts of HepG2, using MMP10antibody. The lane on the left is treated with the antigen-specific peptide.



**WB (Western Blot)**  
Western blot analysis of extracts from rat heart, using MMP10 Antibody.

ADDITIONAL INFORMATION

**Related Product Information for anti-MMP10 antibody**

Description: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase. Similarity: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. Belongs to the peptidase M10A family.

NCBI AND UNIPROT INFORMATION

|                           |                                       |
|---------------------------|---------------------------------------|
| NCBI GI #                 | 4505205                               |
| NCBI GeneID               | 4319                                  |
| NCBI Accession #          | NP_002416.1                           |
| NCBI GenBank Nucleotide # | NM_002425.2                           |
| UniProt Accession #       | P09238; Q53HH9; B2R9X9                |
| Molecular Weight          | Observed: 54 kDa<br>Predicted: 55 kDa |

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI Official Full Name          | stromelysin-2 preproprotein |
| NCBI Official Synonym Full Names | matrix metallopeptidase 10  |
| NCBI Official Symbol             | MMP10                       |
| NCBI Official Synonym Symbols    | SL-2; STMY2                 |
| NCBI Protein Information         | stromelysin-2               |
| UniProt Protein Name             | Stromelysin-2               |
| UniProt Gene Name                | <b>MMP10</b>                |
| UniProt Synonym Gene Names       | STMY2; SL-2; MMP-10         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp10-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/326884>