

## Rabbit anti-Human MMP7 Polyclonal Antibody | anti-MMP7 antibody

MMP7 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA289608 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA, Western Blot |

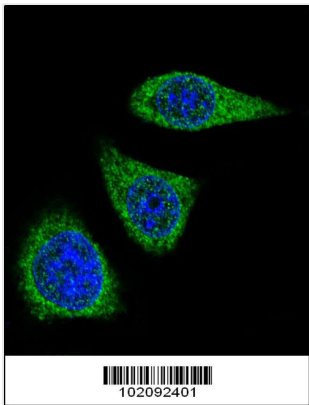
### PRODUCT SYNONYMS

MMP7; Polyclonal Antibody; MMP7 Antibody (Center); Matrilysin; Matrin; Matrix metalloproteinase-7; MMP-7; Pump-1 protease; Uterine metalloproteinase; MPSL1; PUMP1; anti-MMP7 antibody

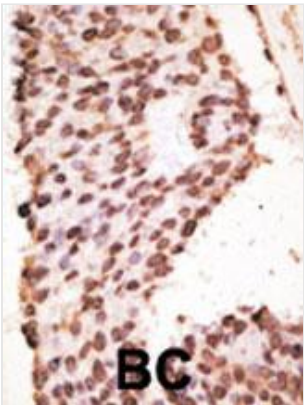
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                    | This MMP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 117-146 amino acids from the Central region of human MMP7.                         |
| Purity/Purification                            | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                             | 117-146                                                                                                                                                                                   |
| Sequence Length                                | 267                                                                                                                                                                                       |
| Applicable Applications for anti-MMP7 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                             |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                 | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

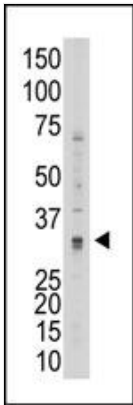
IMAGES



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of MMP7 Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
The anti-MMP7 (Center) Pab is used in Western blot to detect MMP7 in 293 cell lysate.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MMP7 antibody | 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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP7 degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. |
| Product Categories/Family for anti-MMP7 antibody   | Cancer; Cardiovascular; Cell biology; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| References                                         | Filippov, S., et al., J. Exp. Med. 198(6):925-935 (2003). Rivat, C., et al., FASEB J. 17(12):1721-1723 (2003). Fu, X., et al., J. Biol. Chem. 278(31):28403-28409 (2003). McGuire, J.K., et al., Am. J. Pathol. 162(6):1831-1843 (2003). Sumi, T., et al., Oncol. Rep. 10(2):345-349 (2003).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 4505219     |
| NCBI GeneID      | 4316        |
| NCBI Accession # | NP_002414.1 |

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_002423.3</a>                     |
| UniProt Accession #              | <a href="#">P09237</a> ; <a href="#">Q9BTK9</a> |
| Molecular Weight                 | 29677                                           |
| NCBI Official Full Name          | matrilysin preproprotein                        |
| NCBI Official Synonym Full Names | matrix metalloproteinase 7                      |
| NCBI Official Symbol             | MMP7                                            |
| NCBI Official Synonym Symbols    | MMP-7; MPSL1; PUMP-1                            |
| NCBI Protein Information         | matrilysin                                      |
| UniProt Protein Name             | Matrilysin                                      |
| UniProt Gene Name                | <b>MMP7</b>                                     |
| UniProt Synonym Gene Names       | MPSL1; PUMP1; MMP-7                             |
| UniProt Entry Name               | MMP7_HUMAN                                      |

**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/mmp7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/289608>