

# Anti-MMP-7 Antibody

Catalog # ABO11761

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P, E                                                                                              |
| <b>Primary Accession</b> | <a href="#">Q10738</a>                                                                                    |
| <b>Host</b>              | Rabbit                                                                                                    |
| <b>Reactivity</b>        | Mouse, Rat                                                                                                |
| <b>Clonality</b>         | Polyclonal                                                                                                |
| <b>Format</b>            | Lyophilized                                                                                               |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Matrilysin(MMP7) detection. Tested with WB, IHC-P, ELISA in Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                      |

## Additional Information

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| <b>Gene ID</b>                  | 17393                                                                                                                                                                       |
| <b>Other Names</b>              | Matrilysin, 3.4.24.23, Matrin, Matrix metalloproteinase-7, MMP-7, Pump-1 protease, Uterine metalloproteinase, Mmp7                                                          |
| <b>Calculated MW</b>            | 29755                                                                                                                                                                       |
| <b>Application Details</b>      | ELISA , 0.1-0.5 $\mu$ g/ml, Mouse, -<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 $\mu$ g/ml, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 $\mu$ g/ml, Mouse   |
| <b>Subcellular Localization</b> | Secreted, extracellular space, extracellular matrix .                                                                                                                       |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                   |
| <b>Protein Name</b>             | Matrilysin                                                                                                                                                                  |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                  |
| <b>Immunogen</b>                | E.coli-derived mouse MMP7 recombinant protein (Position: Y95-L264). Mouse MMP7 shares 71% and 90% amino acid (aa) sequences identity with human and rat MMP7, respectively. |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                     |
| <b>Storage</b>                  | At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated             |

freezing and thawing.

## Protein Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | Mmp7                                                                                                             |
| <b>Function</b>          | Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase (By similarity). |
| <b>Cellular Location</b> | Secreted, extracellular space, extracellular matrix                                                              |
| <b>Tissue Location</b>   | Expressed in the intestinal epithelium (at protein level).                                                       |

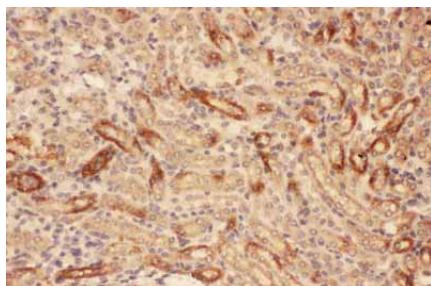
## Background

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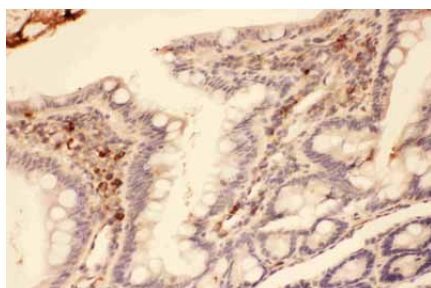
Matrix metalloproteinase-7 (MMP-7) previously called putative metalloproteinase I (PUMP1) or matrilysin. The MMP-7 gene has been identified through studies of collagenase-related connective-tissue-degrading metalloproteinases produced by human tumors. The MMP-7 protein has 267 amino acids and is significantly shorter than stromelysin or collagenase (477 and 469 amino acids, respectively). Matrix metalloproteinases play a crucial role in tumor invasion and metastasis. MMP-7, a member of the matrix metalloproteinase family, is structurally different from the other matrix metalloproteinases by virtue of the absence of a conserved COOH-terminal protein domain. In addition, MMP-7 mRNA is regulated in a specific and distinct manner in normal and malignant tissues. MMP-7 has been shown to correlate with nodal or distant metastasis in colorectal carcinomas, however, its implication in early invasive colorectal carcinomas has not been determined. MMP-7 is also a mediator of pulmonary fibrosis and a potential therapeutic target. The standard product used in this kit is recombinant human MMP-7, consisting of 250 amino acids with the molecular mass of 28KDa. The detected MMP-7 includes zymogen and active enzyme.

## Images

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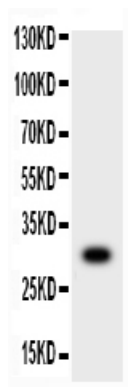


Anti-MMP7 Picoband antibody, ABO11761-1.JPGIHC(P):  
Mouse Kidney Tissue



Anti-MMP7 Picoband antibody, ABO11761-2.JPGIHC(P):  
Rat intestines Tissue

Anti-MMP7 Picoband antibody, ABO11761-3.jpgAll lanes:  
Anti-MMP7(ABO11761) at 0.5ug/mlWB: Rat Brain Tissue  
Lysate at 40ugPredicted bind size: 30KDObserved bind  
size: 30KD



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.