

## Rabbit anti-Human Macrophage metalloelastase Polyclonal Antibody | anti-MMP12 antibody

Rabbit anti-human Macrophage metalloelastase polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA229474 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

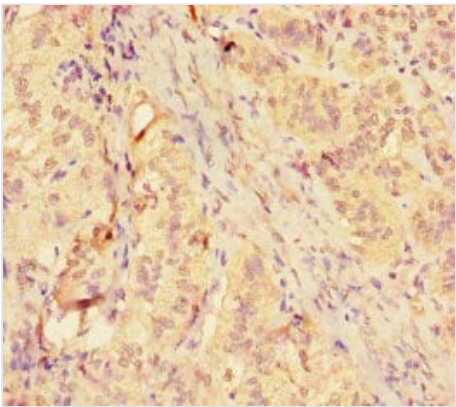
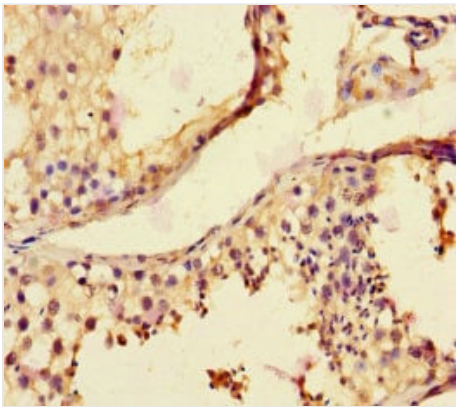
### PRODUCT SYNONYMS

Macrophage metalloelastase; Polyclonal Antibody; Rabbit anti-human Macrophage metalloelastase polyclonal Antibody; Macrophage elastase Matrix metalloproteinase-12 MMP12 HME; anti-MMP12 antibody

### PRODUCT SPECIFICATIONS

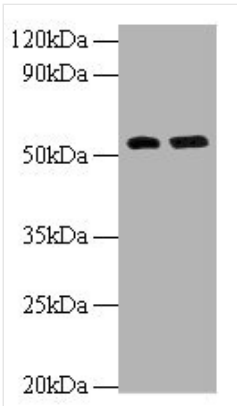
|                                                 |                                                                                                                           |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                    |
| Reactivity                                      | Human                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                |
| Isotype                                         | IgG                                                                                                                       |
| Purity/Purification                             | Caprylic Acid Ammonium Sulfate Precipitation purified                                                                     |
| Form/Format                                     | Liquid                                                                                                                    |
| Sequence Length                                 | 470                                                                                                                       |
| Applicable Applications for anti-MMP12 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                      |
| Immunogen                                       | Recombinant human Macrophage metalloelastase protein                                                                      |
| Conjugation                                     | Non-conjugated                                                                                                            |
| Storage Buffer                                  | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                            |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-12361 / sc-31807 / sc-31809 / sc-31805 / sc-30072 |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.                                  |

IMAGES



**IHC (Immunohistochemisry)**  
Immunohistochemistry of paraffin-embedded human testis tissue using AAA229474 at dilution of 1:100

**IHC (Immunohiostchemistry)**  
Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA229474 at dilution of 1:100



**WB (Western Blot)**  
Western blotAll lanes: Macrophage metalloelastase Antibody at 2ug/mlLane 1:Hela whole cell lysateLane 2:NIH3T3 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 54kDaObserved band size: 54kDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MMP12 antibody | May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.<br><br>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. It is thought that This protein is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. |
| Product Categories/Family for anti-MMP12 antibody   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 73858572    |
| NCBI GeneID      | 4321        |
| NCBI Accession # | NP_002417.2 |

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_002426.5</a>                                                                       |
| UniProt Accession #              | <a href="#">P39900</a> ; <a href="#">Q2M1L9</a> ; <a href="#">B2R9X8</a> ; <a href="#">B7ZLF6</a> |
| Molecular Weight                 | 54,002 Da                                                                                         |
| NCBI Official Full Name          | macrophage metalloelastase preproprotein                                                          |
| NCBI Official Synonym Full Names | matrix metalloproteinase 12                                                                       |
| NCBI Official Symbol             | MMP12                                                                                             |
| NCBI Official Synonym Symbols    | ME; HME; MME; MMP-12                                                                              |
| NCBI Protein Information         | macrophage metalloelastase                                                                        |
| UniProt Protein Name             | Macrophage metalloelastase                                                                        |
| UniProt Gene Name                | <b>MMP12</b>                                                                                      |
| UniProt Synonym Gene Names       | HME; MME; ME; hME; MMP-12                                                                         |
| UniProt Entry Name               | MMP12_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/macrophage-metalloelastase-antibody-immunohistochemistry-western-blot-elisa/229474>