

## Rabbit MMP2 Polyclonal Antibody | anti-MMP2 antibody

MMP2 Polyclonal Antibody

|                               |                       |                                        |                                             |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA174383</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------|

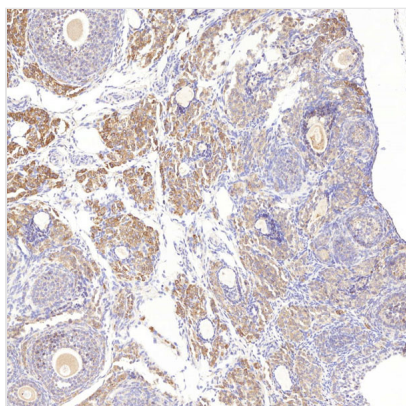
### PRODUCT SYNONYMS

MMP2; Polyclonal Antibody; MMP2 Polyclonal Antibody; 72 kDa gelatinase; 72kD type IV collagenase; CLG 4; CLG 4A; CLG4; CLG4A; Collagenase Type 4 alpha; Collagenase type IV A; Gelatinase A; Gelatinase alpha; Gelatinase neutrophil; Matrix metalloproteinase 2 gelatinase A 72kDa gelatinase 72kDa type IV collagenase; Matrix metalloproteinase 2 (gelatinase A; 72kDa gelatinase; 72kDa type IV collagenase); Matrix Metalloproteinase 2; Matrix metalloproteinase II; Matrix metalloproteinase-2; MMP 2; MMP II; MMP-2; MONA; Neutrophil gelatinase; PEX; TBE 1; TBE-1; anti-MMP2 antibody

### PRODUCT SPECIFICATIONS

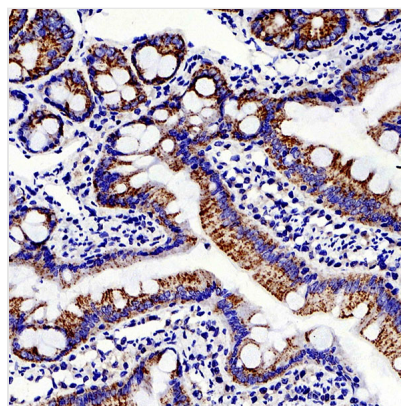
|                                                |                                                               |
|------------------------------------------------|---------------------------------------------------------------|
| Host                                           | Rabbit                                                        |
| Reactivity                                     | Human, Mouse, Rat                                             |
| Clonality                                      | Polyclonal                                                    |
| Isotype                                        | IgG                                                           |
| Purity/Purification                            | Affinity Purification                                         |
| Form/Format                                    | PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol. |
| Concentration                                  | 0.82 mg/mL (varies by lot)                                    |
| Sequence Length                                | 584                                                           |
| Applicable Applications for anti-MMP2 antibody | IHC (Immunohistochemistry)                                    |
| Immunogen                                      | KLH conjugated synthetic peptide corresponding to Mouse MMP2  |
| Conjugation                                    | Unconjugated                                                  |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.              |

### IMAGES



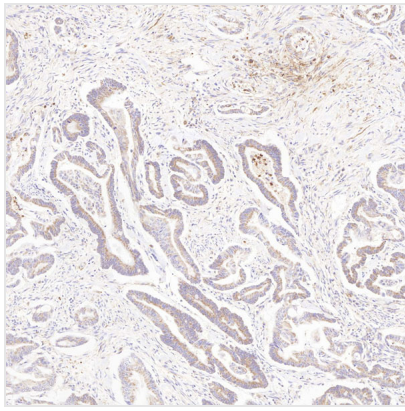
**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded mouse uterus using MMP2 Polyclonal Antibody at dilution of 1:500.



**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded rat colon using MMP2 Polyclonal Antibody at dilution of 1:500.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon cancer using MMP2 Polyclonal Antibody at dilution of 1:500.

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MMP2 antibody</b> | MMP2, also named as CLG4A, Gelatinase Am, TBE-1 and PEX, belongs to the peptidase M10A family. It is ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. MMP2 contributes to myocardial oxidative stress by regulating the activity of GSK3beta. It cleaves GSK3beta in vitro. MMP2 can be cleaved into PEX chain(~60kd).Western blot analysis showed that the 72 kDa and 62 kDa proteinase activities were pro-MMP2 and the active enzyme, respectively. |
| <b>Product Categories/Family for anti-MMP2 antibody</b>   | <a href="#">Cancer</a> ; <a href="#">Cell Biology</a> ; <a href="#">Cardiovascular</a> ; <a href="#">Metabolism</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">189217853</a>                                                                                                  |
| <b>NCBI GeneID</b>                      | <a href="#">4313</a>                                                                                                       |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001121363.1</a>                                                                                             |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001127891.2</a>                                                                                             |
| <b>UniProt Accession #</b>              | <a href="#">P08253</a> ; <a href="#">Q9UCJ8</a> ; <a href="#">B2R6U1</a> ; <a href="#">B4DWH3</a> ; <a href="#">E9PE45</a> |
| <b>Molecular Weight</b>                 | 65,765 Da                                                                                                                  |
| <b>NCBI Official Full Name</b>          | 72 kDa type IV collagenase isoform 2                                                                                       |
| <b>NCBI Official Synonym Full Names</b> | matrix metalloproteinase 2                                                                                                 |
| <b>NCBI Official Symbol</b>             | MMP2                                                                                                                       |
| <b>NCBI Official Synonym Symbols</b>    | CLG4; MONA; CLG4A; MMP-2; TBE-1; MMP-II                                                                                    |
| <b>NCBI Protein Information</b>         | 72 kDa type IV collagenase                                                                                                 |
| <b>UniProt Protein Name</b>             | 72 kDa type IV collagenase                                                                                                 |
| <b>UniProt Gene Name</b>                | <b>MMP2</b>                                                                                                                |
| <b>UniProt Synonym Gene Names</b>       | CLG4A; MMP-2                                                                                                               |

**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://www.aaabiotech.com/polyclonal/mmp2-antibody-immunohistochemistry-elisa/174383>