

## Rabbit anti-Human MMP15 Polyclonal Antibody | anti-MMP15 antibody

MMP15 Antibody (N-term)

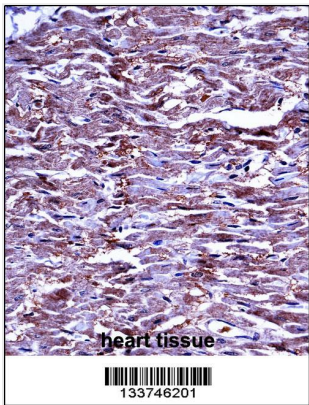
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA285939 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

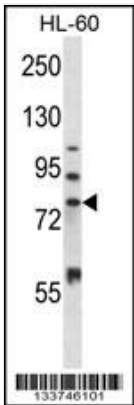
MMP15; Polyclonal Antibody; MMP15 Antibody (N-term); Matrix metalloproteinase-15; MMP-15; 3424-; Membrane-type matrix metalloproteinase 2; MT-MMP 2; MTMMP2; Membrane-type-2 matrix metalloproteinase; MT2-MMP; MT2MMP; SMCP-2; anti-MMP15 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This MMP15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-196 amino acids from the N-terminal region of human MMP15.       |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 168-196                                                                                                                                                                      |
| Sequence Length                                 | 669                                                                                                                                                                          |
| Applicable Applications for anti-MMP15 antibody | 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.                       |



**IHC (Immunohiostchemistry)**  
MMP15 Antibody (N-term) (AAA285939)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MMP15 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
MMP15 Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the MMP15 antibody detected the MMP15 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MMP15 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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. |
| Product Categories/Family for anti-MMP15 antibody   | Cancer; Cardiovascular; Cell biology; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                          | Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :<br>Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)<br>Nalpas, B., et al. Gut 59(8):1120-1126(2010)<br>Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :<br>Mohammad, M.A., et al. Int. J. Biol. Markers 25(2):69-74(2010)                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 4505211                                      |
| NCBI GeneID                      | 4324                                         |
| NCBI Accession #                 | NP_002419.1                                  |
| NCBI GenBank Nucleotide #        | NM_002428.2                                  |
| UniProt Accession #              | P51511; Q14111; A0A2U6                       |
| Molecular Weight                 | 75807                                        |
| NCBI Official Full Name          | matrix metalloproteinase-15 preproprotein    |
| NCBI Official Synonym Full Names | matrix metalloptidase 15 (membrane-inserted) |
| NCBI Official Symbol             | MMP15                                        |

|                               |                                           |
|-------------------------------|-------------------------------------------|
| NCBI Official Synonym Symbols | MTMMP2; SMCP-2; MT2-MMP                   |
| NCBI Protein Information      | matrix metalloproteinase-15               |
| UniProt Protein Name          | Matrix metalloproteinase-15               |
| UniProt Gene Name             | <b>MMP15</b>                              |
| UniProt Synonym Gene Names    | MMP-15; MT-MMP 2; MTMMP2; MT2-MMP; MT2MMP |
| UniProt Entry Name            | MMP15_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/mmp15-antibody-immunohistochemistry-western-blot-elisa/285939>