

## Rabbit anti-Human MMP16 Polyclonal Antibody | anti-MMP16 antibody

MMP16 Antibody (C-term)

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA284717</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

MMP16; Polyclonal Antibody; MMP16 Antibody (C-term); Matrix metalloproteinase-16; MMP-16; 3424-; MMP-X2; Membrane-type matrix metalloproteinase 3; MT-MMP 3; MTMMP3; Membrane-type-3 matrix metalloproteinase; MT3-MMP; MT3MMP; MMPX2; anti-MMP16 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This MMP16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 519-548 amino acids from the C-terminal region of human MMP16.       |
| 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                              | 519-548                                                                                                                                                                      |
| Sequence Length                                 | 457                                                                                                                                                                          |
| Applicable Applications for anti-MMP16 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.                       |

### IMAGES



#### IHC (Immunohistochemistry)

MMP16 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MMP16 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



#### WB (Western Blot)

MMP16 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MMP16 antibody detected the MMP16 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MMP16 antibody | Endopeptidase that degrades various components of the extracellular matrix, such as collagen type III and fibronectin. Activates progelatinase A. Involved in the matrix remodeling of blood vessels. Isoform short cleaves fibronectin and also collagen type III, but at lower rate. It has no effect on type I, II, IV and V collagen. However, upon interaction with CSPG4, it may be involved in degradation and invasion of type I collagen by melanoma cells. |
| Product Categories/Family for anti-MMP16 antibody   | Cancer; Cardiovascular; Cell Biology; Developmental Biology; Immunology; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 13027802                                         |
| NCBI GeneID                      | 4325                                             |
| NCBI Accession #                 | NP_005932.2                                      |
| NCBI GenBank Nucleotide #        | NM_005941.4                                      |
| UniProt Accession #              | P51512; Q14824; Q52H48; B2RAN7                   |
| Molecular Weight                 | 69521                                            |
| NCBI Official Full Name          | matrix metalloproteinase-16                      |
| NCBI Official Synonym Full Names | matrix metalloproteinase 16 (membrane-inserted)  |
| NCBI Official Symbol             | MMP16                                            |
| NCBI Official Synonym Symbols    | MMP-X2; C8orf57; MT-MMP2; MT-MMP3; MT3-MMP       |
| NCBI Protein Information         | matrix metalloproteinase-16                      |
| UniProt Protein Name             | Matrix metalloproteinase-16                      |
| UniProt Gene Name                | MMP16                                            |
| UniProt Synonym Gene Names       | MMPX2; MMP-16; MT-MMP 3; MTMMP3; MT3-MMP; MT3MMP |
| UniProt Entry Name               | MMP16_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/mmp16-antibody-immunohistochemistry-western-blot-elisa/284717>