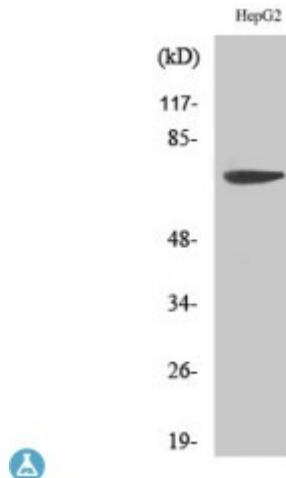


## Anti-MMP-16 antibody



|                    |                              |
|--------------------|------------------------------|
| <b>Description</b> | Rabbit polyclonal to MMP-16. |
|--------------------|------------------------------|

|                           |  |
|---------------------------|--|
| <b>Model</b>              | STJ94277   |
| <b>Host</b>               | Rabbit   |
| <b>Reactivity</b>         | Human, Mouse, Rat  |
| <b>Applications</b>       | ELISA, IHC, WB   |
| <b>Immunogen</b>          | Synthesized peptide derived from human MMP-16  |
| <b>Immunogen Region</b>   | 520-600 aa, C-terminal   |
| <b>Gene ID</b>            | <a href="#">4325</a>   |
| <b>Gene Symbol</b>        | <a href="#">MMP16</a>  |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000  |
| <b>Specificity</b>        | MMP-16 Polyclonal Antibody detects endogenous levels of MMP-16 protein.  |
| <b>Tissue Specificity</b> | Expressed in heart, brain, placenta, ovary and small intestine. Isoform Short is found in the ovary.   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                      |
| <b>Note</b>               | For Research Use Only (RUO).   |
| <b>Protein Name</b>       | Matrix metalloproteinase-16 MMP-16 MMP-X2 Membrane-type matrix metalloproteinase 3 MT-MMP 3 MTMMP3 Membrane-type-3 matrix metalloproteinase MT3-MMP MT3MMP |
| <b>Molecular Weight</b>   | 70 kDa   |

|   |  |
|---|--|
| <b>Clonality</b>                        | Polyclonal   |
| <b>Conjugation</b>                      | Unconjugated   |
| <b>Isotype</b>                          | IgG  |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Concentration</b>                    | 1 mg/ml  |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.   |
| <b>Database Links</b>                   | <a href="#">HGNC:716</a> <a href="#">OMIM:602262</a>   |
| <b>Alternative Names</b>                | Matrix metalloproteinase-16 MMP-16 MMP-X2 Membrane-type matrix metalloproteinase 3 MT-MMP 3 MTMMP3 Membrane-type-3 matrix metalloproteinase MT3-MMP MT3MMP   |
| <b>Function</b>                         | 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. |
| <b>Sequence and Domain Family</b>       | The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.   |
| <b>Cellular Localization</b>            | Isoform Long: Cell membrane. Localized at the cell surface of melanoma cells.. Isoform Short: Secreted, extracellular space, extracellular matrix. Cell surface. Localized at the cell surface of melanoma cells.  |
| <b>Post-translational Modifications</b> | The precursor is cleaved by a furin endopeptidase.   |

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**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580

**W** <http://www.stjohnslabs.com/>

**T** +44 (0)208 223 3081

**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)