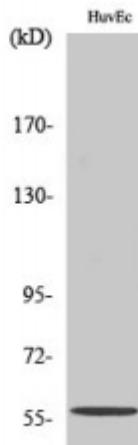


## Anti-MMP-19 antibody



<b>Description</b>	Rabbit polyclonal to MMP-19.
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<b>Model</b>	STJ94162
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human MMP-19
<b>Immunogen Region</b>	30-110 aa, N-terminal
<b>Gene ID</b>	<a href="#">4327</a>
<b>Gene Symbol</b>	<a href="#">MMP19</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
<b>Specificity</b>	MMP-19 Polyclonal Antibody detects endogenous levels of MMP-19 protein.
<b>Tissue Specificity</b>	Expressed in mammary gland, placenta, lung, pancreas, ovary, small intestine, spleen, thymus, prostate, testis colon, heart and blood vessel walls. Not detected in brain and peripheral blood leukocytes. Also expressed in the synovial fluid of normal and rheumatoid patients .
<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-19 MMP-19 Matrix metalloproteinase RASI Matrix metalloproteinase-18 MMP-18

<b>Molecular Weight</b>	57 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:7165</a> <a href="#">OMIM:601807</a>
<b>Alternative Names</b>	Matrix metalloproteinase-19 MMP-19 Matrix metalloproteinase RASI Matrix metalloproteinase-18 MMP-18
<b>Function</b>	Endopeptidase that degrades various components of the extracellular matrix, such as aggrecan and cartilage oligomeric matrix protein (comp), during development, haemostasis and pathological conditions (arthritic disease). May also play a role in neovascularization or angiogenesis. Hydrolyzes collagen type IV, laminin, nidogen, nascin-C isoform, fibronectin, and type I gelatin.
<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>	Secreted, extracellular space, extracellular matrix
<b>Post-translational Modifications</b>	Activated by autolytic cleavage after Lys-97.; Tyrosine phosphorylated by PKDCC/VLK.

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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)