

Rabbit anti-Human, Mouse MMP19 Polyclonal Antibody | anti-MMP19 antibody

MMP19 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320856	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MMP19; Polyclonal Antibody; MMP19 Antibody; Matrix metalloproteinase 18; Matrix metalloproteinase 19; Matrix metalloproteinase RASI; Matrix metalloproteinase-18; Matrix metalloproteinase-19; MMP 18; MMP 19; MMP-18; MMP-19; MMP18; MMP19_HUMAN; RASI 1; RASI; RASI1; anti-MMP19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP19 antibody detects endogenous levels of total MMP19
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	305
Applicable Applications for anti-MMP19 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMP19
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Tissue Specificity	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 (PubMed:8920941).
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)

AAA320856 at 1/100 staining human liver carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA320856 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HuvEc cell lysate using MMP19 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP19 antibody

Description: 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.
Post-translational Modifications: Activated by autolytic cleavage after Lys-97. Tyrosine phosphorylated by PKDCC/VLK.
Similarity: 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. Belongs to the peptidase M10A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	442535505
NCBI GeneID	4327
NCBI Accession #	NP_001259030.1
NCBI GenBank Nucleotide #	NM_001272101.1
UniProt Accession #	Q99542; O15278; O95606; Q99580; B4E030
Molecular Weight	Observed: 57 kDa Predicted: 58 kDa
NCBI Official Full Name	matrix metalloproteinase-19 isoform 3 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 19
NCBI Official Symbol	MMP19
NCBI Official Synonym Symbols	CODA; MMP18; RASI-1
NCBI Protein Information	matrix metalloproteinase-19
UniProt Protein Name	Matrix metalloproteinase-19
UniProt Gene Name	MMP19
UniProt Synonym Gene Names	MMP18; RASI; MMP-19; MMP-18

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/mmp19-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320856>