

Rabbit anti-Human MMP7 Polyclonal Antibody | anti-MMP7 antibody

Anti-MMP7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45689	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

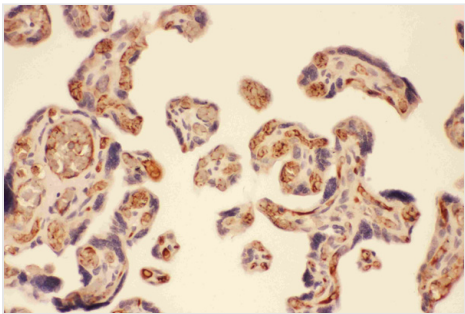
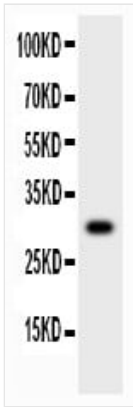
PRODUCT SYNONYMS

MMP7; Polyclonal Antibody; Anti-MMP7 Antibody; Matrilysin; matrix metalloproteinase 7 (matrilysin; uterine); Matrilysin antibody; Matrilysin uterine antibody; Matrin antibody; Matrix Metalloproteinase 7 antibody; Matrix metalloproteinase-7 antibody; MMP 7 antibody; MMP-7 antibody; MMP7 antibody; MMP7_HUMAN antibody; MPST1 antibody; PUMP 1 antibody; Pump 1 protease antibody; Pump-1 protease antibody; PUMP1 antibody; Uterine Matrilysin antibody; Uterine metalloproteinase antibody; anti-MMP7 antibody

PRODUCT SPECIFICATIONS

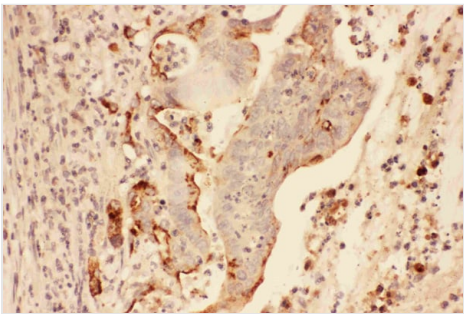
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	267
Applicable Applications for anti-MMP7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human MMP7 recombinant protein (Position: M1-K267). Human MMP7 shares 71% amino acid (aa) sequences identity with both mouse and rat MMP7.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-MMP7 Picoband antibody, AAA45689-2.JPGIHC(P): Human Placenta Tissue

WB (Western Blot)
Anti-MMP7 Picoband antibody, AAA45689-3.jpgAll lanes: Anti-MMP7(AAA45689) at 0.5ug/mlWB: A549 Whole Cell Lysate at 40ugPredicted bind size: 30KDObserved bind size: 30KD



IHC (Immunohistochemistry)
Anti-MMP7 Picoband antibody, AAA45689-1.JPGIHC(P): Human Intestinal Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-MMP7 antibody

Description: Rabbit IgG polyclonal antibody for Matrilysin(MMP7) detection. Tested with WB, IHC-P, ELISA in Human.

Background: Matrix metalloproteinase-7 (MMP-7) previously called putative metalloproteinase I (PUMP1) or matrilysin. The MMP-7 gene has been identified through studies of collagenase-related connective-tissue-degrading metalloproteinases produced by human tumors. The MMP-7 protein has 267 amino acids and is significantly shorter than stromelysin or collagenase (477 and 469 amino acids, respectively). Matrix metalloproteinases play a crucial role in tumor invasion and metastasis. MMP-7, a member of the matrix metalloproteinase family, is structurally different from the other matrix metalloproteinases by virtue of the absence of a conserved COOH-terminal protein domain. In addition, MMP-7 mRNA is regulated in a specific and distinct manner in normal and malignant tissues. MMP-7 has been shown to correlate with nodal or distant metastasis in colorectal carcinomas, however, its implication in early invasive colorectal carcinomas has not been determined. MMP-7 is also a mediator of pulmonary fibrosis and a potential therapeutic target. The standard product used in this kit is recombinant human MMP-7, consisting of 250 amino acids with the molecular mass of 28KDa. The detected MMP-7 includes zymogen and active enzyme.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116861
NCBI GeneID	4316
UniProt Accession #	P09237; Q9BTK9
Molecular Weight	29,677 Da
NCBI Official Full Name	Matrilysin

NCBI Official Synonym Full Names	matrix metalloproteinase 7 (matrilysin, uterine)
NCBI Official Symbol	MMP7
NCBI Official Synonym Symbols	MMP-7; MPSL1; PUMP-1
NCBI Protein Information	matrilysin; matrin; pump-1 protease; uterine matrilysin; uterine metalloproteinase; matrix metalloproteinase-7; matrix metalloproteinase 7 (matrilysin, uterine)
UniProt Protein Name	Matrilysin
UniProt Gene Name	MMP7
UniProt Synonym Gene Names	MPSL1; PUMP1; MMP-7
UniProt Entry Name	MMP7_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/mmp7-antibody-immunohistochemistry-western-blot-elisa/45689>