

Rabbit anti-Human MMP-1 Polyclonal Antibody | anti-MMP1 antibody

MMP-1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283192	Rabbit	Human	Immunocytochemistry, Immunofluorescence

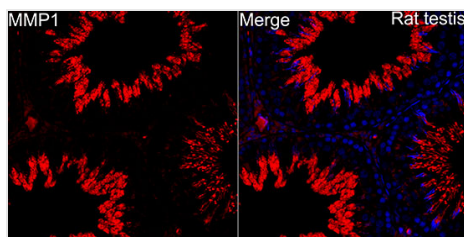
PRODUCT SYNONYMS

MMP-1; Polyclonal Antibody; MMP-1 Rabbit pAb; CLG; CLGN; MMP-1 (H440); anti-MMP1 antibody

PRODUCT SPECIFICATIONS

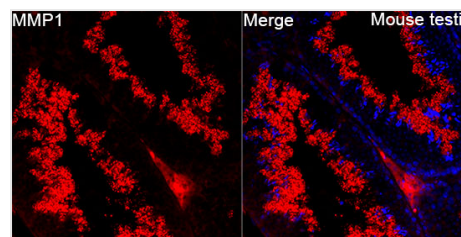
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	FPRTVKHIDA ALSEENTGKT YFFVANKYWR YDEYKRSM DP GYPKMIAHDF PGIGHKVDAV FMKDGFFYFF HGTRQYKFDP KTKRILT LQK ANSWFNC RKN
Applicable Applications for anti-MMP1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence)
Cross Reactivity	Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 369-469 of human MMP1 (NP_002412.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded rat testis using MMP-1 Rabbit pAb (AAA283192) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded mouse testis using MMP-1 Rabbit pAb (AAA283192) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP1 antibody	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down the interstitial collagens, including types I, II, and III. The gene is part of a cluster of MMP genes on chromosome 11. Mutations in this gene are associated with chronic obstructive pulmonary disease (COPD). Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.
Product Categories/Family for anti-MMP1 antibody	Cancer; Tumor biomarkers; Invasion and Metastasis; Signal Transduction; Cell Biology Developmental Biology; Cytoskeleton; Extracellular Matrix; Ubiquitin; Cardiovascular; Angiogenesis; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505215
NCBI GeneID	4312
NCBI Accession #	NP_002412.1
NCBI GenBank Nucleotide #	NM_002421.3
UniProt Accession #	P03956; P08156
Molecular Weight	Calculated MW: 54kDa
UniProt Protein Name	Interstitial collagenase
UniProt Gene Name	MMP1
UniProt Synonym Gene Names	CLG; MMP-1
UniProt Entry Name	MMP1_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/mmp-1-antibody-immunocytochemistry-immunofluorescence-elisa/283192>