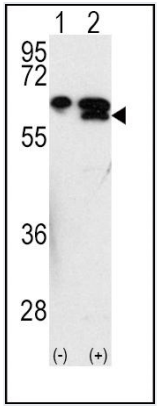
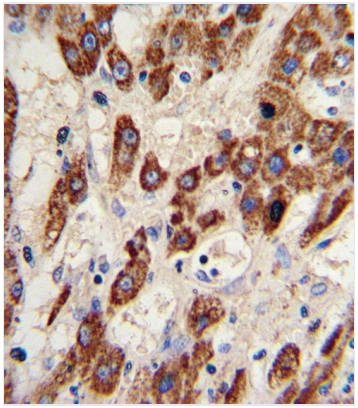
MMP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

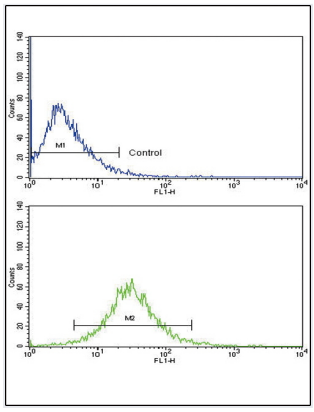
Product Name	MMP3, Polyclonal Antibody
Full Product Name	MMP3, ID (Stromelysin-1, SL-1, Matrix Metalloproteinase-3, MMP-3, Transin-1, STMY1)
Product Gene Name	anti-MMP3 antibody
Product Synonym Names	Anti -MMP3, ID (Stromelysin-1, SL-1, Matrix Metalloproteinase-3, MMP-3, Transin-1, STMY1)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Specificity	Recognizes human MMP3.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	16,673 Da
Chromosome Location	Chromosome: 15; NC_007313.4 (4818099..4844702)
3D Structure	ModBase 3D Structure for Q9N283
Immunogen	Synthetic peptide selected from the center region of human MMP3 (KLH).
Product Categories/Family for anti-MMP3 antibody	Antibodies; Abs to Matrix Metalloproteinases
Applications Tested/Suitable for anti-MMP3 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-MMP3 antibody	Suitable for use in ELISA, Western Blot, Flow Cytometry and Immunohistochemistry. Dilution: ELISA: 1:1000 Western Blot: 1:50-1:100 Immunohistochemistry: 1:50-1:100
Related Product Information for anti-MMP3 antibody	Proteins of the matrix metalloproteinase (MMP) 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. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP3 is an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.
Other Notes	Small volumes of anti-MMP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MMP3 purchase	MBS627752 is an antibody targeting MMP3. Also known as MMP3, ID (Stromelysin-1, SL-1, Matrix Metalloproteinase-3, MMP-3, Transin-1, STMY1). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MMP3 antibody
Western blot analysis of MMP3 (arrow) using rabbit polyclonal MMP3 Antibody (Center) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MMP3 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (IHC) of anti-MMP3 antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with MMP3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-MMP3 antibody
Flow cytometric analysis of HepG2 cells using MMP3 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MMP3. It may not necessarily be applicable to this product.

NCBI GI #	8176609
NCBI GeneID	281309
UniProt Primary Accession #	Q9N283
UniProt Related Accession #	O77630; Q9N283; Q9XSF7
NCBI Official Full Name	MMP-3
NCBI Official Symbol	MMP3
UniProt Protein Name	MMP-3
Protein Family	Stromelysin
UniProt Gene Name	bmmp-3
UniProt Entry Name	Q9N283_BOVIN
NCBI Protein Information	stromelysin-1; metalloproteinase 3 receptor

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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