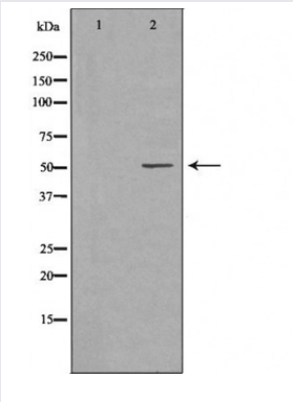
MMP8 Antibody

PRODUCT OVERVIEW

Product Name	MMP8, Antibody
Full Product Name	MMP8 Antibody
Product Gene Name	anti-MMP8 antibody
Product Synonym Names	HNC; CLG1; MMP-8; PMNL-CL
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	MMP8 Antibody detects endogenous levels of total MMP8
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	53kDa
OMIM	120355
3D Structure	ModBase 3D Structure for P22894
Immunogen	A synthetic peptide of human MMP8
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MMP8 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MMP8 antibody	WB: 1:500-1:2000 IHC: 1:50-1:100
Related Product Information for anti-MMP8 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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.
Other Notes	Small volumes of anti-MMP8 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 MMP8 purchase	MBS8516592 is an antibody targeting MMP8. Also known as MMP8 Antibody. Reactive in Human, Mouse, Rat.



Western Blot (WB) of anti-MMP8 antibody
Western blot analysis of extracts of 231 celllysate, using MMP8antibody|Immunohistochemistryof paraffin-embeddedHuman colon cancer tissue usingMMP8antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MMP8. It may not necessarily be applicable to this product.

NCBI GI #	751247063
NCBI GeneID	4317
NCBI Accession #	NP_001291370.1
UniProt Primary Accession #	P22894
UniProt Secondary Accession #	Q45F99
UniProt Related Accession #	P22894
GenBank Nucleotide #	NM_001304441.1
NCBI Official Full Name	neutrophil collagenase isoform 2
NCBI Official Synonym Full Names	matrix metallopeptidase 8
NCBI Official Symbol	MMP8
NCBI Official Synonym Symbols	HNC; CLG1; MMP-8; PMNL-CL
UniProt Protein Name	Neutrophil collagenase
UniProt Synonym Protein Names	Matrix metalloproteinase-8; MMP-8; PMNL collagenase; PMNL-CL
Protein Family	Neutrophil collagenase
UniProt Gene Name	MMP8
UniProt Synonym Gene Names	CLG1; MMP-8; PMNL-CL
NCBI Protein Information	neutrophil collagenase
NCBI Summary for MMP8	This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
UniProt Comments for MMP8	Can degrade fibrillar type I, II, and III collagens.
Research Articles on MMP8	**1.** MMP8 -799C/T, Val436Ala and Lys460Thr polymorphisms may only play an indirect role in determining personal cancer susceptibility to breast cancer in Taiwan.

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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