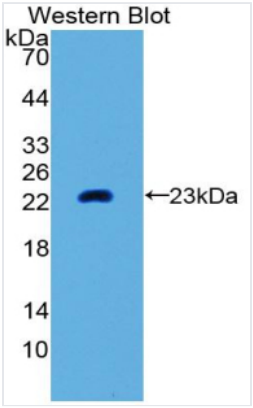
Matrix Metalloproteinase 3 (MMP3) Antibody – Rabbit Polyclonal

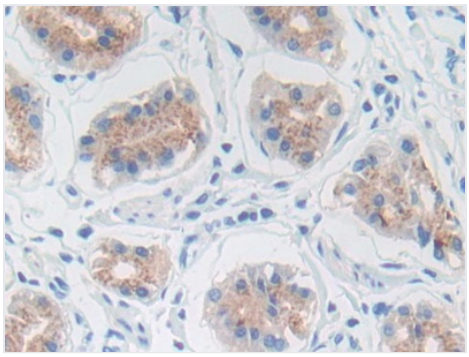
PRODUCT OVERVIEW

Product Name	Matrix Metalloproteinase 3 (MMP3), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Matrix Metalloproteinase 3 (MMP3)
Product Gene Name	anti-MMP3 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	0.68mg/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against MMP3. It has beenselected for its ability to recognize MMP3 in immunohistochemical staining andwestern blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) Immunogen: MMP3 (MBS2030249)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) APC-CY7 Conjugated Antibody: MMP3 (MBS2037772)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) PE Conjugated Antibody: MMP3 (MBS2037776)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) APC Conjugated Antibody: MMP3 (MBS2037780)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) Cy3 Conjugated Antibody: MMP3 (MBS2037784)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) FITC Conjugated Antibody: MMP3 (MBS2037788)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) HRP Conjugated Antibody: MMP3 (MBS2037792)
Matching Pairs	Unconjugated Antibody: Matrix Metalloproteinase 3 (MBS2026252) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Matrix Metalloproteinase 3 (MBS2026252) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: MMP3 (MBS2026252) Biotin Conjugated Antibody: MMP3 (MBS2091552)
Molecular Weight	53,977 Da
OMIM	X05232 mRNA
3D Structure	ModBase 3D Structure for P08254

Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Fragment	MMP3 (Asn289~Gly452)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human
Conjugate	No Conjugate
Immunogen	Recombinant MMP3 (Asn289~Gly452) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2037780
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-MMP3 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-MMP3 antibody	Western blotting: 0.2-2ug/mL;1:250-2500 Immunohistochemistry: 5-20ug/mL;1:25-100 Immunocytochemistry: 5-20ug/mL;1:25-100 Optimal working dilutions must be determined by end user.
Related Product Information for anti-MMP3 antibody	MBS2026252 is an antibody targeting MMP3. Also known as Polyclonal Antibody to Matrix Metalloproteinase 3 (MMP3). Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-MMP3 antibody
Western Blot: Sample: Recombinant protein.



Immunohistochemistry (IHC) of anti-MMP3 antibody
DAB staining on IHC-P; Samples: Human Stomach Tissue)

ADDITIONAL DETAILS

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

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413.1
UniProt Primary Accession #	P08254
UniProt Secondary Accession #	Q3B7S0; Q6GRF8; B2R8B8
UniProt Related Accession #	P08254
GenBank Nucleotide #	NM_002422.4
NCBI Official Full Name	stromelysin-1 preproprotein

NCBI Official Synonym Full Names	matrix metallopeptidase 3
NCBI Official Symbol	MMP3
NCBI Official Synonym Symbols	SL-1; STMY; STR1; CHDS6; MMP-3; STMY1
UniProt Protein Name	Stromelysin-1
UniProt Synonym Protein Names	Matrix metalloproteinase-3; MMP-3; Transin-1
Protein Family	Stromelysin
UniProt Gene Name	MMP3
UniProt Synonym Gene Names	STMY1; SL-1; MMP-3
NCBI Protein Information	stromelysin-1
NCBI Summary for MMP3	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. This gene encodes 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. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
UniProt Comments for MMP3	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.
Research Articles on MMP3	**1.** results suggest that MMP1-1607 1G/2G, MMP3-1171 5A/6A and MMP9-1562 C/T gene polymorphisms have synergistic effect on breast cancer. The interactions of MMPs clinical risk factors such as lymph node involvement has shown a strong correlation and might influence the 5-years survival rate, suggesting their potential role in the breast carcinogenesis
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