

Mouse anti-Human Matrix Metalloproteinase 3 (MMP3) Monoclonal Antibody | anti-MMP3 antibody

Matrix Metalloproteinase 3 (MMP3)

CATALOG # AAA60486	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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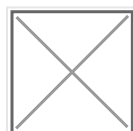
PRODUCT SYNONYMS

Matrix Metalloproteinase 3 (MMP3); Monoclonal Antibody; SL-1; Matrix metalloproteinase-3; MMP-3; Transin-1; anti-MMP3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1B4
Purity/Purification	Protein A/G Chromatography
Form/Format	Unconjugated; Provided as solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	477
Applicable Applications for anti-MMP3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the C-terminus of the human MMP3 protein and mouse myeloma Ag8563 cells.
Positive Control	Oesophageal and gastric tissues. Expressed at higher levels in tumor.
Preparation and Storage	Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles. Ship at ambient temperature, freeze upon arrival.

IMAGES



IHC (Immunohistochemistry)

Left: Immunohistochemical staining of human gastric carcinoma tissue using MMP-3 antibody .

ADDITIONAL INFORMATION

Related Product Information for anti-MMP3 antibody	The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including Collagen, gelatin, Fibronectin, Laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-3, MMP-10 and MMP-11 (also designated stromelysin-1, 2 and 3, respectively) activate procollagenase. MMP-3 activation of procollagenase can occur via two pathways. Direct activation by MMP-3 is slow and activation by MMP-3 in conjunction with tissue or plasma proteinases is rapid. MMP-10 is expressed in small intestine, and at lower levels in lung and heart. MMP-11 is specifically expressed in stromal cells of breast carcinomas and contributes to epithelial cell malignancies.
Product Categories/Family for anti-MMP3 antibody	Monoclonal Antibody; Extracellular Matrix

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413.1
NCBI GenBank Nucleotide #	NM_002422.3
UniProt Accession #	P08254; Q3B7S0; Q6GRF8; B2R8B8
NCBI Official Full Name	stromelysin-1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 3 (stromelysin 1, progelatinase)
NCBI Official Symbol	MMP3
NCBI Official Synonym Symbols	SL-1; STMY; STR1; CHDS6; MMP-3; STMY1
NCBI Protein Information	stromelysin-1; transin-1; proteoglycanase; matrix metalloproteinase-3; matrix metalloproteinase 3 (stromelysin 1, progelatinase)
UniProt Protein Name	Stromelysin-1
UniProt Gene Name	MMP3
UniProt Synonym Gene Names	STMY1; SL-1; MMP-3
UniProt Entry Name	MMP3_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.