

Rabbit MMP3 Polyclonal Antibody | anti-MMP3 antibody

MMP3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326110	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

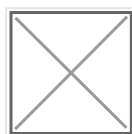
PRODUCT SYNONYMS

MMP3; Polyclonal Antibody; MMP3 Antibody; CHDS6; Matrix metalloproteinase 3; Matrix metalloproteinase-3; MGC126102; MGC126103; MGC126104; MMP 3; MMP-3; MMP3_HUMAN; Proteoglycanase; SL-1; SL1; STMY; STMY1; STR1; Stromelysin 1; Stromelysin-1; Transin 1; Transin-1; anti-MMP3 antibody

PRODUCT SPECIFICATIONS

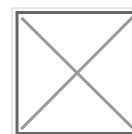
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP3 antibody detects endogenous levels of total MMP3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	477
Applicable Applications for anti-MMP3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMP3
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326110 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



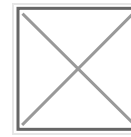
WB (Western Blot)

Western blot analysis of A549 lysate using MMP3 antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of rat brain lysate, using MMP3 antibody.



IHC (Immunohistochemistry)

AAA326110 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP3 antibody

Description: 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]

Function: Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.

Similarity: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. Belongs to the peptidase M10A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413.1
NCBI GenBank Nucleotide #	NM_002422.4
UniProt Accession #	P08254; Q3B7S0; Q6GRF8; B2R8B8
Molecular Weight	Observed: 54 kDa Predicted: 54 kDa
NCBI Official Full Name	stromelysin-1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 3
NCBI Official Symbol	MMP3
NCBI Official Synonym Symbols	SL-1; STMY; STR1; CHDS6; MMP-3; STMY1
NCBI Protein Information	stromelysin-1
UniProt Protein Name	Stromelysin-1
UniProt Gene Name	MMP3
UniProt Synonym Gene Names	STMY1; SL-1; MMP-3

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/mmp3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326110>