

Rabbit MMP3 Polyclonal Antibody | anti-MMP3 antibody

MMP3 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199037	Rabbit	Tested Species Reactivity: Human, Horse Predicted Species Reactivity: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Immunohistochemistry

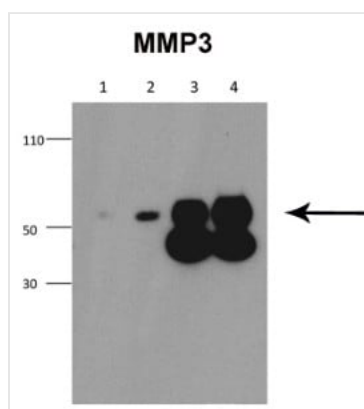
PRODUCT SYNONYMS

MMP3; Polyclonal Antibody; MMP3 antibody - middle region; anti-MMP3 antibody

PRODUCT SPECIFICATIONS

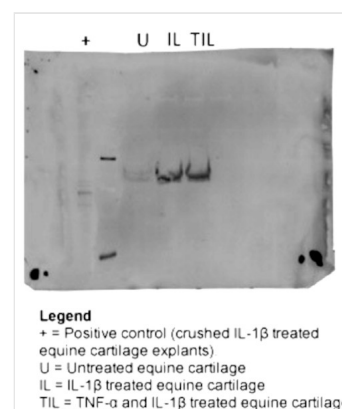
Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Horse Predicted Species Reactivity: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/mL (varies by lot)
Sequence	Synthetic peptide with the following region: AE DFPGIDSKID AVFEEFGFFY FFTGSSQLEF DPNKKVTHT LKNSNSWLN
Sequence Length	477
Applicable Applications for anti-MMP3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MMP3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



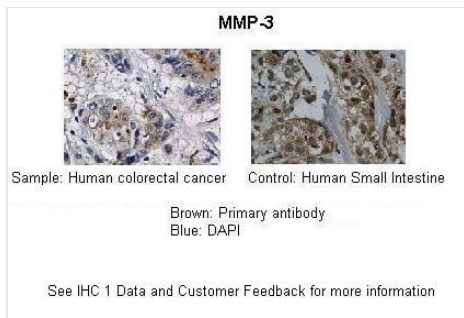
Application Data

Equine Cartilage Explants MMP3 antibody - middle region (AAA199037) validated by WB using Equine Cartilage Explants at 1:1000.



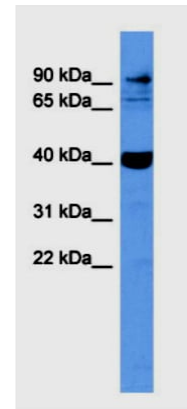
Application Data

Equine Cartilage Explants Sample Type: Equine Cartilage Explants Primary Dilution: 1:1000 Secondary: Abcam ab97200 (Dilution: 1:20,000).



IHC (Immunohistochemistry)

Sample Type: Human colorectal cancer
Application: IHC
Species+tissue/cell type: Control- Human small intestine, Sample-human colorectal cancer
Primary antibody dilution: 1:100
Secondary antibody: Biotinylated pig anti-rabbit+streptavidin-HRP



WB (Western Blot)

WB Suggested Anti-MMP3 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP3 antibody	This is a rabbit polyclonal antibody against MMP3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: MMP3 can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. MMP3 activates procollagenase. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-MMP3 antibody	Polyclonal; Signal Proteins; Drugs and Drug Metabolism; Developmental Biology; Disease Related; Tissue Specific & Cell Marker; Immunohistochemistry; Hypoxia

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413
NCBI GenBank Nucleotide #	NM_002422
UniProt Accession #	P08254
Molecular Weight	43kDa
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-western-blot-immunohistochemistry-elisa/199037>