

Rabbit MMP13 Polyclonal Antibody | anti-MMP13 antibody

[KO Validated] MMP13 Rabbit pAb

CATALOG # AAA281715	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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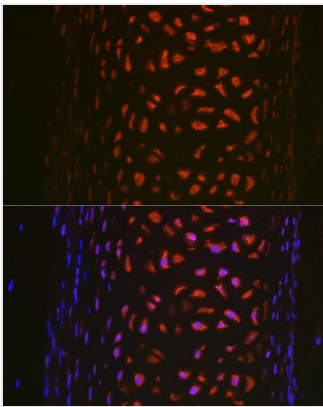
PRODUCT SYNONYMS

MMP13; Polyclonal Antibody; [KO Validated] MMP13 Rabbit pAb; CLG3; MANDP1; MDST; MMP-13; anti-MMP13 antibody

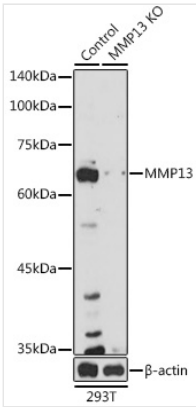
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	IQSLYGGPDE DPNPKHPKTP DKCDPSLSLD AITSLRGETM IFKDRFFWRL HPQQVDAELF LTKSFWPELP NRIDAAYEHP SHDLIFIFRG RKFWALNGYD ILEGYPKKIS ELGLPKEVKK ISAAVHFEDT GKTLLFSGNQ VWRYDDTNHI MDKDYPRLE EDFPGIGDKV DAVYEKNGYI YFFNGPIQFE YSIWSNRIVR VMPANSILWC
Applicable Applications for anti-MMP13 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 262-471 of human MMP13 (NP_002418.1).
Cellular Location	Secreted, extracellular matrix, extracellular space
Positive Samples	293T, HeLa, MCF7, A-549
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

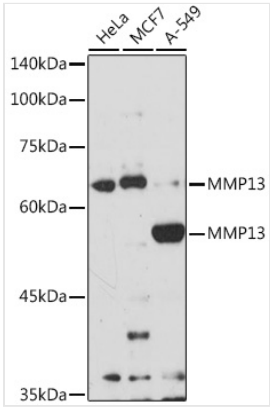
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of rat trachea using MMP13 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts from normal (control) and MMP13 knockout (KO) 293T cells, using MMP13 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MMP13 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP13 antibody	Background: This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. Mutations in this gene are associated with metaphyseal anadysplasia. This gene is part of a cluster of MMP genes on chromosome 11.
Product Categories/Family for anti-MMP13 antibody	Cancer; Tumor biomarkers; Research; Cancer; Invasion and Metastasis; Research; Signal Transduction; G protein signaling; G-Protein-Coupled Receptors Signaling to MAPK/Erk; Research; Cell Biology & Developmental Biology; Extracellular Matrix; MMPs; Product

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505209
NCBI GeneID	4322
NCBI Accession #	NP_002418.1
NCBI GenBank Nucleotide #	NM_002427.3

UniProt Accession #	P45452
Molecular Weight	53,820 Da
NCBI Official Full Name	collagenase 3 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 13 (collagenase 3)
NCBI Official Symbol	MMP13
NCBI Official Synonym Symbols	CLG3; MANDP1
NCBI Protein Information	collagenase 3; MMP-13; matrix metalloproteinase 13 (collagenase 3)
UniProt Protein Name	Collagenase 3
UniProt Gene Name	MMP13
UniProt Synonym Gene Names	MMP-13
UniProt Entry Name	MMP13_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp13-antibody-immunofluorescence-western-blot-elisa/281715>