

Rabbit MMP 2 Polyclonal Antibody | anti-MMP2 antibody

MMP 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321982	Rabbit	Human, Mouse, Rat, Monkey	Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MMP 2; Polyclonal Antibody; MMP 2 Antibody; 72 kDa gelatinase; 72kD type IV collagenase; CLG 4; CLG 4A; CLG4; CLG4A; Collagenase Type 4 alpha; Collagenase type IV A; Gelatinase A; Gelatinase alpha; Gelatinase neutrophil; Matrix metalloproteinase 2 gelatinase A 72kDa gelatinase 72kDa type IV collagenase; Matrix metalloproteinase 2 (gelatinase A; 72kDa gelatinase; 72kDa type IV collagenase); Matrix Metalloproteinase 2; Matrix metalloproteinase II; Matrix metalloproteinase-2; MMP II; MMP-2; MMP2; MMP2_HUMAN; MONA; Neutrophil gelatinase; PEX; TBE 1; TBE-1; anti-MMP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Peptide affinity purification
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	610
Applicable Applications for anti-MMP2 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMP2, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA321982 at 1/100 staining Rat colon 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA321982 staining HepG2 by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab (AAA321982 1:200) and mouse anti-beta tubulin Ab (1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG (H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L)Ab(Green) were used as the secondary antibody.



WB (Western Blot)

Western blot analysis of MMP 2 expression in LOVO cells. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP2 antibody	Ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture.
References	Wu Z, Wang T, Fang M, Huang W, Sun Z, Xiao J, Yan W; Journal: Biochem Biophys Res Commun. MFAP5 promotes tumor progression and bone metastasis by regulating ERK/MMP signaling pathways in breast cancer. Wang JL, Yang MY, Xiao S, Sun B, Li YM, Yang LY; Journal: J Exp Clin Cancer Res. Downregulation of castor zinc finger 1 predicts poor prognosis and facilitates hepatocellular carcinoma progression via MAPK/ERK signaling.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189217853
NCBI GeneID	4313
NCBI Accession #	NP_001121363.1
NCBI GenBank Nucleotide #	NM_001127891.2
UniProt Accession #	P08253; Q9UCJ8; B2R6U1; B4DWH3; E9PE45
Molecular Weight	74 kDa
NCBI Official Full Name	72 kDa type IV collagenase isoform 2
NCBI Official Synonym Full Names	matrix metalloproteinase 2
NCBI Official Symbol	MMP2
NCBI Official Synonym Symbols	CLG4; MONA; CLG4A; MMP-2; TBE-1; MMP-II
NCBI Protein Information	72 kDa type IV collagenase
UniProt Protein Name	72 kDa type IV collagenase
UniProt Gene Name	MMP2
UniProt Synonym Gene Names	CLG4A; MMP-2

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/mmp-2-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-western-blot-elisa/321982>