

Rabbit anti-Human MMP-2 Polyclonal Antibody | anti-MMP-2 antibody

Rabbit anti MMP-2 Polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71392	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

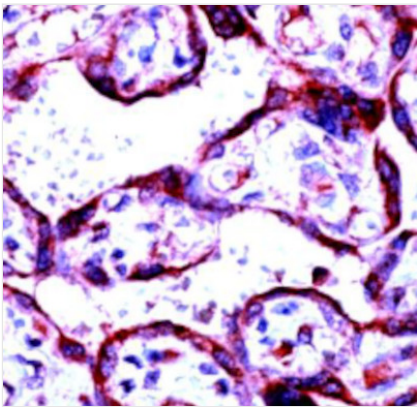
PRODUCT SYNONYMS

MMP-2; Polyclonal Antibody; Rabbit anti MMP-2 Polyclonal antibody; Rabbit anti-MMP-2; Matrix Metalloproteinase 2 (MMP2); Gelatinase A; 72 kDa type IV collagenase precursor; anti-MMP-2 antibody

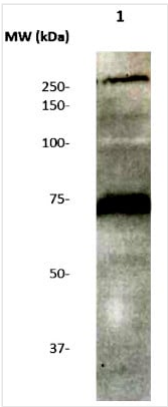
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	This antibody recognizes ~62 and 72 kDa of human MMP2 protein. This antibody reacts with human, rat, mouse. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-MMP-2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to C-term of human MMP2. This sequence is identical among human, rat, mouse, chicken, dog and bovine.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C -8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry: Human placenta (FFPE) stained with Anti-MMP-2 antibody, (Cat#AAA71392) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



WB (Western Blot)
Western Blot: : The protein derived from the LOVO whole cell lysate (lane 1) or the concentrated serum free culture medium of LOVO were resolved onto 10% SDS-PAGE, transferred to NC membrane, followed by an immunoblotting with Rabbit anti-MMP-2 (Cat#AAA71392) at 1:1000. Observed a major immunoreactive band at molecular weight ~72 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MMP-2 antibody	Matrix metalloproteinases (MMPs) belong to a family of proteinases that target many extracellular matrix proteins including additional proteinases, growth factors, cell surface receptors and adhesion molecules. MMPs contain common domain structures that include a signal sequence, a propeptide, a catalytic domain, and a hemopexin-like (Hpx) domain. The MMP activity requires proteolytic cleavage of MMPs in order to generate active MMPs by release of the inhibitory propeptide domain from the whole molecules. MMP-2, MMP-3, MMP-7, MMP-9 and MMP-13 have been characterized as important factors for normal tissue remodeling during embryo development and wound healing, tumor invasion, angiogenesis, carcinogenesis and apoptosis. MMP activities are correlated with cancer metastatic process.
References	Brigitte Lelongt, et al. Matrix Metalloproteinases MMP2 and MMP9 Are Produced in Early Stages of Kidney Morphogenesis but Only MMP9 Is Required for Renal Organogenesis In Vitro. J. Cell Biol. 1997. 136 (6), 1363-1373.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8050250
NCBI GeneID	81686
UniProt Accession #	Q9JHC2; P33436
NCBI Official Full Name	MMP-2
NCBI Official Synonym Full Names	matrix metalloproteinase 2
NCBI Official Symbol	Mmp2
NCBI Protein Information	72 kDa type IV collagenase; MMP-2; gelatinase A; 72 kDa gelatinase; matrix metalloproteinase 2; matrix metalloproteinase-2
UniProt Protein Name	MMP-2
UniProt Gene Name	Mmp2
UniProt Synonym Gene Names	MMP-2
UniProt Entry Name	Q9JHC2_RAT

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.

