

## Polyclonal Antibody to MMP-2 - Purified

<b>Alternate names:</b>	72 kDa gelatinase, 72 kDa type IV collagenase, CLG4A, Gelatinase A, MMP2, Matrix metalloproteinase-2, TBE-1
<b>Catalog No.:</b>	AP15657PU-S
<b>Quantity:</b>	0.1 ml
<b>Background:</b>	MMPs are proteolytic enzymes capable of degrading connective tissue components. They have a common mode of activation, a conserved amino acid sequence in the putative metal binding-active site region, and are inhibited by specific tissue inhibitors of metalloproteinases (TIMPs). MMPa and TIMPs play a significant role in regulating angiogenesis. MMP-2 is synthesized as a 631 amino acid proenzyme which is activated by cleavage of the first 80 amino acids.
<b>Uniprot ID:</b>	<a href="#">P08253</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GenelD:</b>	<a href="#">4313</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	A synthetic peptide derived from near N-terminus of Human MMP-2 protein. <b>Remarks: Epitope:</b> N-terminus
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Affinity Chromatography <b>Buffer System:</b> 10mM PBS, pH 7.4 containing 1% BSA as stabilizer and 0.09% Sodium Azide as preservative
<b>Applications:</b>	Immunohistochemistry on Paraffin Sections: 1/100 for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween. <i>Positive Control:</i> Placenta, Bladder, Breast, and Ovarian carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with both latent and active MMP-2. Cellular Localization: Cytoplasm. <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	<b>Molecular Weight:</b> 72 kDa (pro form) and ~66 kDa (active form)
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.

**Pictures:**

Human placenta stained with Anti-MMP-2 antibody

