

MMP-1 Polyclonal Antibody

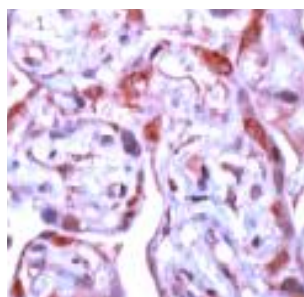
Product Specifications	
Catalog Number:	905-472
Host:	Rabbit
Species Reactivity:	Human (others not tested)
Applications: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: Yes IHC: 1:200 for 10 min at RT <i>Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.</i>
Concentration:	See product label
Purification:	Affinity Purified
Format:	10 mM PBS, pH 7.4 with BSA and sodium azide
Storage:	Store at 4°C
Immunogen:	A synthetic peptide from near C-terminal of human MMP-1 protein
Related Products:	
SAB-300	Goat anti-Rabbit IgG Polyclonal Antibody, HRP Conjugate
905-486	MMP-9 Polyclonal Antibody
905-584	TIMP-1 Polyclonal Antibody

Background:

Matrix metalloproteinases (MMP) are proteolytic enzymes capable of degrading connective tissue components. Imbalanced secretion of certain MMP or disturbances in the differential control of MMP by tissue inhibitor of MMPs (TIMPs) is implicated in the invasive potential of malignant tumors. Interstitial collagenase (MMP-1), 72kDa gelatinase A / type IV collagenase (MMP-2), and 92kDa gelatinase B / type IV collagenase (MMP- 9) dissolve extracellular matrix (ECM) and may initiate and promote angiogenesis.

References:

1. Massova, I., *et al.* (1998) FASEB J. **12**, 1075-1095.
2. Nagase, H., *et al.* (2006) Cardiovasc Res. **69**, 562-583.



Human placenta stained with Anti-MMP-1 antibody