

Polyclonal Antibody to MMP-10 (hinge region) - Aff - Purified

Alternate names:	MMP10, Matrix metalloproteinase-10, SL-2, STMY2, Stromelysin-2, Transin-2
Catalog No.:	AP07210PU-N
Quantity:	50 µg
Concentration:	0.2 mg/ml
Background:	MMP10 is a Metallopeptidase M10A type protease. Stromelysin2/MMP10 is a member of a gene family of metalloproteinases involved in extracellular matrix remodeling in normal and diseased processes. It degrades collagen and many non-collagenous components of the extracellular matrix including fibronectin, gelatins of type I, III, IV, and V and may play a role in the activation of latent procollagenase.
Uniprot ID:	P09238
NCBI:	NP_002416.1
GeneID:	4319
Host:	Rabbit
Immunogen:	Synthetic peptide corresponding to a peptide from the hinge region of Human MMP10
Format:	State: Liquid purified Ig fraction Purification: Immunoaffinity Chromatography Buffer System: PBS, pH 7.4 Preservatives: 0.05% Sodium Azide Stabilizers: 0.1% BSA
Applications:	ELISA. Immunohistochemistry on Paraffin sections: 10 µg/ml. Heat induced antigen retrieval in pH 6.0 citrate buffer is recommended. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with a peptide from the hinge region of MMP10.
Species Reactivity:	Tested: Human.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Originator or purchased from resellers: 1. Wei Y, Cui C, Lainscak M, Zhang X, Li J, Huang J, et al. Type-specific dysregulation of matrix metalloproteinases and their tissue inhibitors in end-stage heart failure patients: relationship between MMP-10 and LV remodelling. J Cell Mol Med. 2011 Apr;15(4):773-82. doi: 10.1111/j.1582-4934.2010.01049.x. PubMed PMID: 20219015.

2. Wang LS, Dombkowski AA, Seguin C, Rocha C, Cukovic D, Mukundan A, et al. Mechanistic basis for the chemopreventive effects of black raspberries at a late stage of rat esophageal carcinogenesis. *Mol Carcinog.* 2011 Apr;50(4):291-300. doi: 10.1002/mc.20634. PubMed PMID: 21465577.

Pictures:

AP07210PU-N MMP10 antibody staining of Formalin-Fixed Paraffin-Embedded Human Kidney at 10 µg/ml

