

**AP52713PU-N****Polyclonal Antibody to MMP-9 (C-term) - Aff - Purified**

<b>Alternate names:</b>	92 kDa gelatinase, 92 kDa type IV collagenase, CLG4B, GELB, Gelatinase B, MMP9, Matrix metalloproteinase-9
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq].
<b>Uniprot ID:</b>	<a href="#">P14780</a>
<b>NCBI:</b>	<a href="#">NP_004985</a>
<b>GeneID:</b>	<a href="#">4318</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 548-578 amino acids from the C-terminal region of Human MMP-9
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein A column, followed by peptide affinity purification <b>Buffer System:</b> PBS containing 0.09% (W/V) Sodium Azide as preservative
<b>Applications:</b>	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human MMP-9 (C-term).
<b>Add. Information:</b>	<b>Molecular Weight:</b> 78458 Da
<b>Storage:</b>	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.
<b>General Readings:</b>	Lacchini, R., et al. Clin. Chim. Acta 411 (23-24), 1940-1944 (2010) Chambers, M.A., et al. Biochem. Biophys. Res. Commun. 400(3):403-408(2010) Beeghly-Fadiel, A., et al. Breast Cancer Res. Treat. (2010) In press Szczudlik, P., et al. Neurol. Neurochir. Pol. 44(4):350-357(2010) Mossbock, G., et al. Mol. Vis. 16, 1764-1770 (2010)

## Pictures:

Western blot analysis of MMP9 Antibody (C-term) Cat.-No AP52713PU-N in NCI-H292 cell line lysates (35ug/lane). This demonstrates the MMP9 antibody detected the MMP9 protein (arrow).

