

**AP22745PU-N****Polyclonal Antibody to MMP-9 - Purified**

<b>Alternate names:</b>	92 kDa gelatinase, 92 kDa type IV collagenase, CLG4B, GELB, Gelatinase B, MMP9, Matrix metalloproteinase-9
<b>Quantity:</b>	50 µl
<b>Background:</b>	Matrix metalloproteinases (MMPs) are neutral proteinases that are involved in the breakdown and remodeling of the extracellular matrix (ECM) under a variety of physiological and pathological conditions. MMP9 is a Metalloproteinase M10A type protease and is particularly important in the pathogenesis of inflammatory, infectious, and neoplastic diseases in many organs.
<b>Uniprot ID:</b>	<a href="#">P14780</a>
<b>NCBI:</b>	<a href="#">NP_004985</a>
<b>GenelD:</b>	<a href="#">4318</a>
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	MMP9 antibody was raised against a synthetic peptide corresponding to amino acids 626-644, LFSGRRLWRFDVKAQMVDP of human MMP-9. <b>Genename:</b> MMP9
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein A Chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4, 0.2% BSA, 0.09% sodium azide.
<b>Applications:</b>	<b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 2 - 4 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to Matrix Metalloproteinase 9/Gelatinase B (MMP9). <b>Species:</b> Human, Guinea Pig. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. For long term storage add glycerol at 40-50%. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

# **Pictures:**

Human Spleen (formalin-fixed, paraffin-embedded) stained with MMP9 antibody AP22745PU-N followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

