



# MMP8 (Cleaved-Leu101) rabbit pAb

<b>Catalog No</b>	YP-Ab-02314
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC
<b>Gene Name</b>	MMP8 CLG1
<b>Protein Name</b>	MMP8 (Cleaved-Leu101)
<b>Immunogen</b>	Synthesized peptide derived from human MMP8 (Cleaved-Leu101)
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse,Rat MMP8 (Cleaved-Leu101, protein was cleaved amino acid sequence between 100-101 )
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Neutrophil collagenase (EC 3.4.24.34;Matrix metalloproteinase-8;MMP-8;PMNL collagenase;PMNL-CL)
<b>Observed Band</b>	40 53kD
<b>Cell Pathway</b>	Cytoplasmic granule. Secreted, extracellular space, extracellular matrix . Stored in intracellular granules.
<b>Tissue Specificity</b>	Neutrophils.
<b>Function</b>	skeletal system development, ossification, proteolysis, collagen catabolic process, collagen metabolic process,multicellular organismal metabolic process, multicellular organismal catabolic process, multicellular organismal macromolecule metabolic process, bone development,
<b>Background</b>	catalytic activity: Cleavage of interstitial collagens in the triple helical domain. Unlike EC 3.4.24.7, this enzyme cleaves type III collagen more slowly than type I.,cofactor: Binds 2 zinc ions per subunit.,cofactor: Binds 3 calcium ions per subunit.,domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,enzyme regulation: Cannot be activated without removal of the activation peptide.,function: Can degrade fibrillar type I, II, and III collagens.,similarity: Belongs to the peptidase M10A family.,similarity: Contains 4 hemopexin-like domains.,subcellular location: Stored in intracellular



granules.,tissue specificity:Neutrophils.,

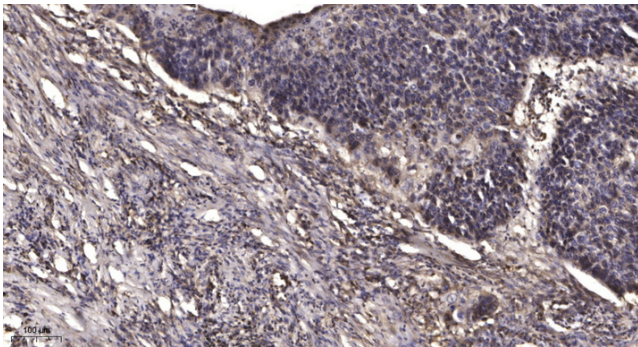
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).