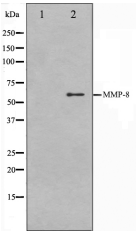
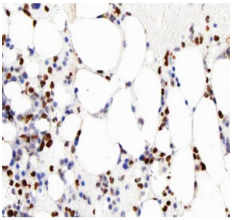
MMP8 Ab

Cat.#: AF0219	Concn.: 1mg/ml	Mol.Wt.: 55kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	MMP8 Ab detects endogenous levels of total MMP8.
Immunogen:	A synthesized peptide derived from human MMP8.
Uniprot:	P22894
Description:	MMP8 Can degrade fibrillar type I, II, and III collagens. Belongs to the peptidase M10A family.
Subcellular Location:	Cytoplasmic granule. Secreted > extracellular space > extracellular matrix. Stored in intracellular granules.
Tissue Specificity:	Neutrophils.
Similarity:	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.Belongs to the peptidase M10A family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on NIH-3T3 cell lysate using MMP8 Ab. The lane on the left is treated with the antigen-specific peptide.



AF0219 at 1/100 staining human bone tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22 °C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF0219 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.