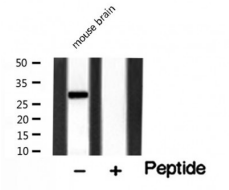
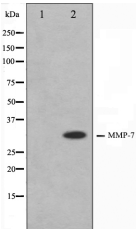
MMP7 Ab

Cat.#: AF0218	Concn.: 1mg/ml	Mol.Wt.: 29kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

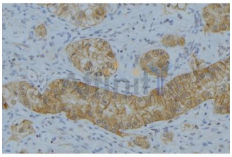
Application:	WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	MMP7 Ab detects endogenous levels of total MMP7.
Immunogen:	A synthesized peptide derived from human MMP7.
Uniprot:	P09237
Description:	MMP7 Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. Belongs to the peptidase M10A family. Note: This description may include information from UniProtKB.
Subcellular Location:	Secreted > extracellular space > extracellular matrix.
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.



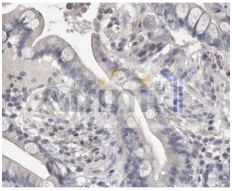
Western blot analysis of MMP7 expression in Mouse brain lysate



Western blot analysis on COS7 cell lysate using MMP7 Ab. The lane on the left is treated with the antigen-specific peptide.



AF0218 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.



IHC analysis of mouse colon tissue, using MMP7 Ab at 1/100.

AF0218 staining Hela 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.