

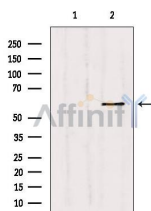
## MMP11 Ab

Cat.#: AF0211  
Size: 100ul,200ul

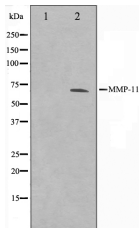
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 60kDa  
Clonality: Polyclonal

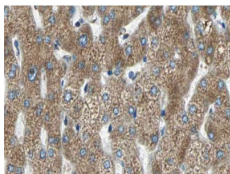
|                               |                                                                                                                                                                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:                  | MMP11 Ab detects endogenous levels of total MMP11.                                                                                                                                                                                                                       |
| Immunogen:                    | A synthesized peptide derived from human MMP11.                                                                                                                                                                                                                          |
| Uniprot:                      | P24347                                                                                                                                                                                                                                                                   |
| Description:                  | MMP11 May play an important role in the progression of epithelial malignancies. Belongs to the peptidase M10A family.                                                                                                                                                    |
| Subcellular Location:         | Secreted > extracellular space > extracellular matrix.                                                                                                                                                                                                                   |
| Tissue Specificity:           | Specifically expressed in stromal cells of breast carcinomas.                                                                                                                                                                                                            |
| 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 extracts from Hepg2, using MMP11 Ab. Lane 1 was treated with the blocking peptide.



Western blot analysis on A549 cell lysate using MMP11 Ab. The lane on the left is treated with the antigen-specific peptide.



AF0211 at 1/100 staining human liver carcinoma 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.



AF0211 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.



AF0211 staining A549 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.

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