

MMP-7 (PT0477R) PT™ Rabbit mAb

CatalogNo: YM8034 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IHC,IF,ELISA

MW

- 30kD (Calculated)
- 30kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT0477R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** Endogenous

Target Information

Gene name MMP7 MPSTL1 PUMP1

Protein Name Matrilysin

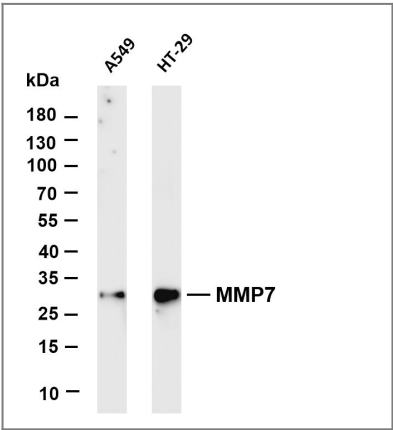
Organism	Gene ID	UniProt ID
Human	4316;	P09237;
Mouse		Q10738;
Rat	25335;	P50280;

Cellular Localization Secreted

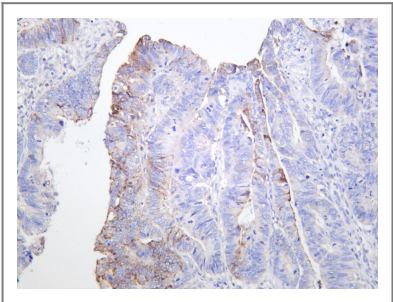
Tissue specificity Colon ,Human small intestine ,Kidney ,Placenta ,

Function Catalytic activity: Cleavage of 14-Ala-|-Leu-15 and 16-Tyr-|-Leu-17 in B chain of insulin. No action on collagen types I , II , IV , V. Cleaves gelatin chain alpha-2 (I) > alpha-1 (I) . ,cofactor: Binds 2 calcium ions per subunit. ,cofactor: Binds 2 zinc 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. ,Function: Degrades casein , gelatins of types I , III , IV , and V , and fibronectin. Activates procollagenase. ,similarity: Belongs to the peptidase M10A family. ,

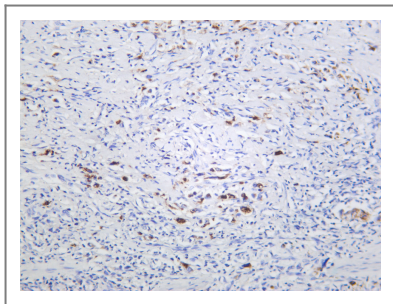
Validation Data



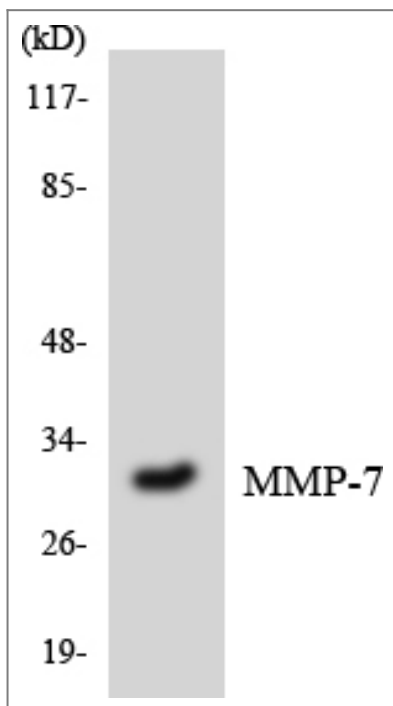
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-MMP7 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: HT-29 Predicted band size: 30kDa Observed band size: 30kDa



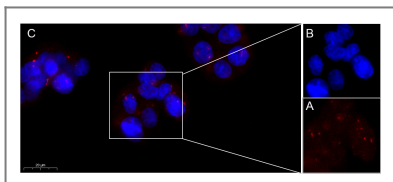
Human colon carcinoma was stained with anti-MMP7 rabbit antibody



Human gastric carcinoma was stained with anti-MMP7 rabbit antibody



Western blot analysis of the lysates from HT-29 cells using MMP-7 antibody.



Immunofluorescence analysis of HT-29 cell. 1, primary Antibody was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFuor 594 Secondary antibody (catalog No: RS3611) was diluted at 1:500 (room temperature, 50min).

Contact information

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Please scan the QR code to access additional product information:
MMP-7 (PT0477R)
PT™ Rabbit mAb