

## Cleaved MMP-10 (Phe99) Rabbit pAb

CatalogNo: YC0059

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,ELISA

#### MW

- 43kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:40000**

**Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

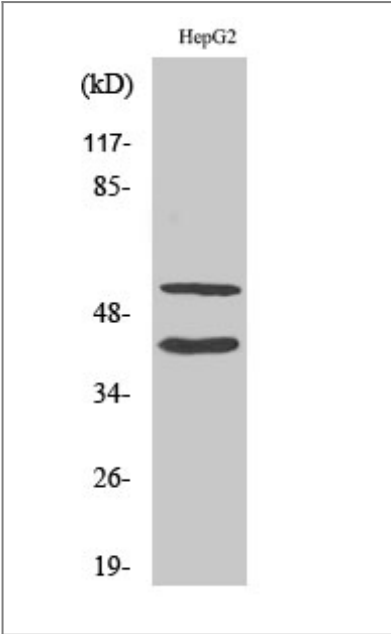
**Immunogen** The antiserum was produced against synthesized peptide derived from human MMP10. AA range:80-129

**Specificity** Cleaved-MMP-10 (F99) Polyclonal Antibody detects endogenous levels of fragment of activated MMP-10 protein resulting from cleavage adjacent to F99.

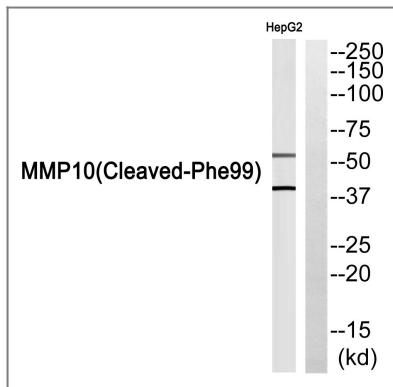
### Target Information

Gene name	MMP10									
Protein Name	Stromelysin-2									
	<table><tr><th>Organism</th><th>Gene ID</th><th>UniProt ID</th></tr><tr><td>Human</td><td><a href="#">4319</a>;</td><td><a href="#">P09238</a>;</td></tr><tr><td>Mouse</td><td></td><td><a href="#">O55123</a>;</td></tr></table>	Organism	Gene ID	UniProt ID	Human	<a href="#">4319</a> ;	<a href="#">P09238</a> ;	Mouse		<a href="#">O55123</a> ;
Organism	Gene ID	UniProt ID								
Human	<a href="#">4319</a> ;	<a href="#">P09238</a> ;								
Mouse		<a href="#">O55123</a> ;								
Cellular Localization	Secreted, extracellular space, extracellular matrix .									
Tissue specificity	Coronary artery,Ovary,									
Function	Catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,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:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A family.,similarity:Contains 4 hemopexin-like domains.,									

Validation Data



Western Blot analysis of HepG2 cells using Cleaved-MMP-10 (F99) Polyclonal Antibody diluted at 1:1000



Western blot analysis of MMP10 (Cleaved-Phe99) Antibody. The lane on the right is blocked with the MMP10 (Cleaved-Phe99) peptide.

## Contact information

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Please scan the QR code  
 to access additional  
 product information:  
**Cleaved MMP-10  
 (Phe99) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)