

## MMP7 (Cleaved-Tyr95) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP03638
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human MMP7 (Cleaved-Tyr95)
<b>Mol wt</b>	29370
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MMP7
<b>Synonyms</b>	MMP7 ;Cleaved-Tyr95; Matrilysin; EC 3.4.24.23; Matrin; Matrix metalloproteinase-7; MMP-7; Pump-1 protease; Uterine metalloproteinase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

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.|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.|Degrades casein| gelatins of types I| III| IV| and V| and fibronectin. Activates procollagenase.|Belongs to the peptidase M10A family.|

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year

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