

Cleaved MMP-15 (Tyr132) Rabbit pAb

CatalogNo: YC0062 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Monkey

Applications

- WB, ELISA

MW

- 61kD (Observed)

Isotype

- IgG

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.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human MMP15. AA range:113-162

Specificity Cleaved-MMP-15 (Y132) Polyclonal Antibody detects endogenous levels of fragment of activated MMP-15 protein resulting from cleavage adjacent to Y132.

Target Information

Gene name MMP15

Protein Name Matrix metalloproteinase-15

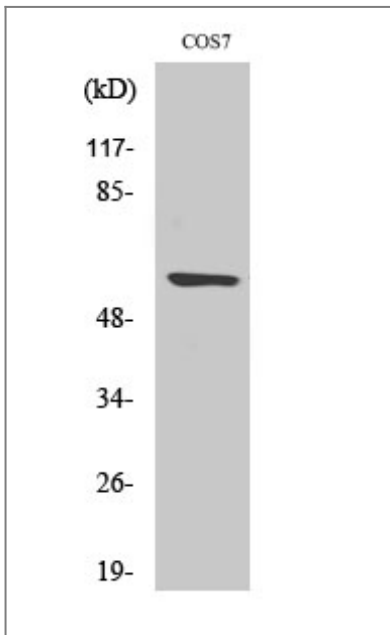
| Organism | Gene ID | UniProt ID |
|----------|------------------------|--------------------------|
| Human | 4324 ; | P51511 ; |
| Mouse | | O54732 ; |

Cellular Localization Membrane ; Single-pass type I membrane protein ; Extracellular side .

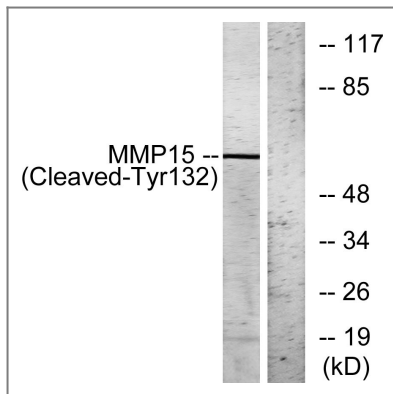
Tissue specificity Appeared to be synthesized preferentially in liver, placenta, testis, colon and intestine. Substantial amounts are also detected in pancreas, kidney, lung, heart and skeletal muscle.

Function cofactor: Binds 1 zinc ion 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: Endopeptidase that degrades various components of the extracellular matrix. May activate progelatinase A., PTM: The precursor is cleaved by a furin endopeptidase., similarity: Belongs to the peptidase M10A family., similarity: Contains 4 hemopexin-like domains., tissue specificity: Appeared to be synthesized preferentially in liver, placenta, testis, colon and intestine. Substantial amounts are also detected in pancreas, kidney, lung, heart and skeletal muscle.,

Validation Data



Western Blot analysis of various cells using Cleaved-MMP-15 (Y132) Polyclonal Antibody



Western blot analysis of lysates from COS7 cells, treated with etoposide 25uM 1h, using MMP15 (Cleaved-Tyr132) Antibody. The lane on the right is blocked with the synthesized peptide.

Contact information

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Please scan the QR code to access additional product information:
Cleaved MMP-15 (Tyr132) Rabbit pAb

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