

MMP-11 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP05474

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human MMP-11. AA range:61-110

Mol wt 54618

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/m

Full name MMP-11 Antibody

Synonyms MMP11; STMY3; Stromelysin-3; SL-3; ST3; Matrix metalloproteinase-11; MMP-11

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

Background

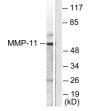
Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, Stromelysin-3 encoded by MMP11 is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix.

Recommended Dilution

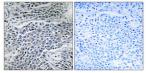
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 20000

Not yet tested in other applications.

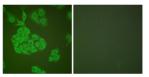
Images



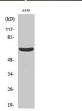
Western blot analysis of lysates from A549 cells, using MMP-11 Antibody. The lane on the right is blocked with the synthesized peptide.



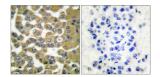
Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of A549 cells, using MMP-11 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MMP-11 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using MMP-11 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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