

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **MMP11 RABBIT PAB**

**Cat.#:** S219922

Product Name: Anti-MMP11 Rabbit Polyclonal Antibody

**Synonyms:** ST3, SL-3, STMY3

**UNIPROT ID:** P24347 (Gene Accession - AAH57788)

**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, the enzyme encoded by this gene 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.

Immunogen: Synthetic peptide of human MMP11

Applications: ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 1000-5000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

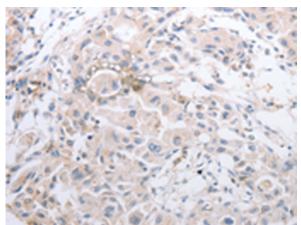
Research Areas: Signal Transduction, Cardiovascular, Cell Biology

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

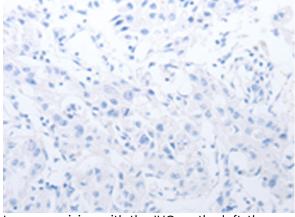


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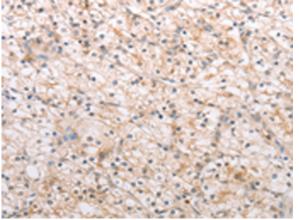
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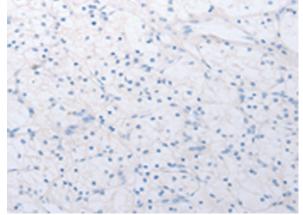
Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 219922(MMP11 Antibody) at a dilution of 1/40(Cytoplasm, ExtraCellular matrix).



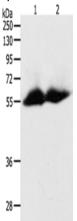
In comparision with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the synthetic peptide and then with 219922(Anti-MMP11 Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of In comparision with the IHC on the left, the same paraffin-embedded Human renal cancer tissue using 219922(Anti-MMP11 Antibody) at a dilution of first treated with synthetic peptide and then with 1/40.



paraffin-embedded Human renal cancer tissue is D260628(Anti-MMPII Antibody) at dilution 1/40.



Gel: 10%SDS-PAGE, Lysate: 60 µg; Lane 1-2: Human colon tissue, Human ovarian cancer tissue;

Primary antibody: 219922(MMP11 Antibody) at dilution 1/600;

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution;

Exposure time: 1 minute



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