

**Anti-MMP11 Picoband Antibody**  
Catalog # ABO10308**Specification****Anti-MMP11 Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P24347</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Stromelysin-3(MMP11) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-MMP11 Picoband Antibody - Additional Information**

**Gene ID** 4320

**Other Names**

Stromelysin-3, SL-3, ST3, 3.4.24.-, Matrix metalloproteinase-11, MMP-11, MMP11, STMY3

**Calculated MW**

54590 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat  
Western blot, 0.1-0.5 µg/ml, Human, Rat

**Subcellular Localization**

Secreted, extracellular space, extracellular matrix .

**Tissue Specificity**

Specifically expressed in stromal cells of breast carcinomas.

**Protein Name**

Stromelysin-3

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human MMP11 (104-135aa RWEKTDLYRILRFPWQLVQEVRQTMAEALK), different from the related mouse and rat sequences by three amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

**Anti-MMP11 Picoband Antibody - Protein Information**

**Name** MMP11

**Synonyms** STMY3

**Function**

May play an important role in the progression of epithelial malignancies.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

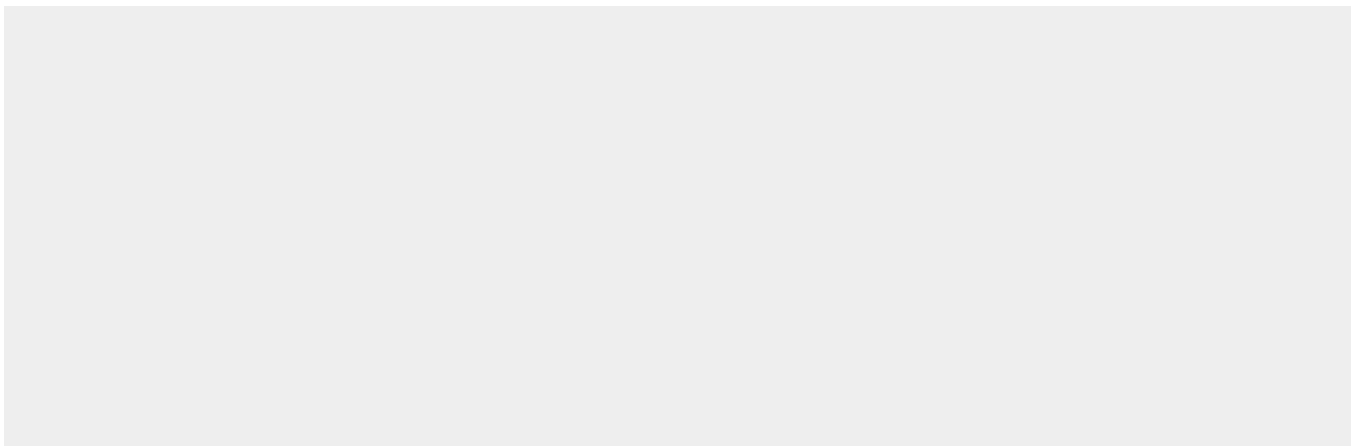
**Tissue Location**

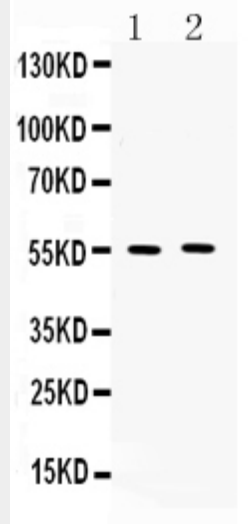
Specifically expressed in stromal cells of breast carcinomas

**Anti-MMP11 Picoband Antibody - Protocols**

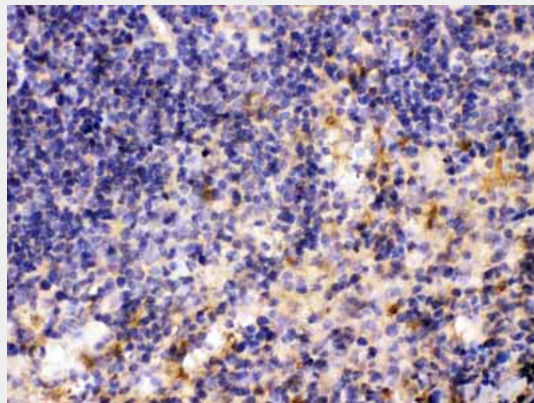
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

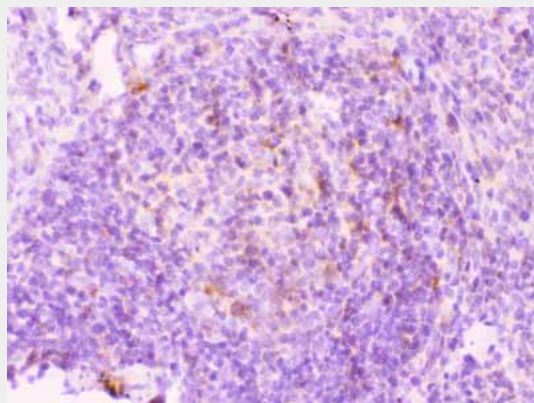
**Anti-MMP11 Picoband Antibody - Images**



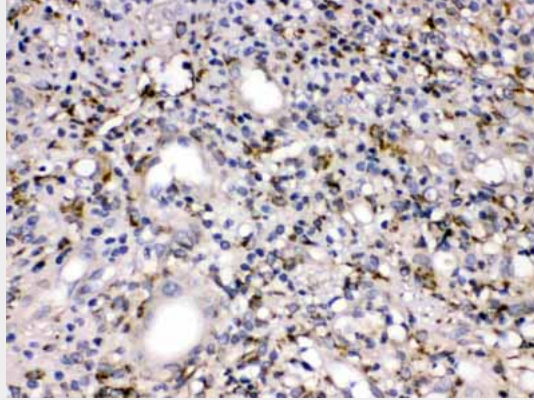
Western blot analysis of MMP11 expression in rat spleen extract (lane 1) and MM231 whole cell lysates (lane 2). MMP11 at 55KD was detected using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody (Catalog #ABO10308) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .



MMP11 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti-MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .



MMP11 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti-MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .



MMP11 was detected in paraffin-embedded sections of human appendicitis tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .

#### **Anti-MMP11 Picoband Antibody - Background**

Stromelysin-3 (SL-3) also known as matrix metalloproteinase-11 (MMP-11) is an enzyme that in humans is encoded by the MMP11 gene. 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.