10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MMP11 Picoband Antibody
Catalog # ABO10308

Specification

Anti-MMP11 Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P24347
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 Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human MMP11 (104-135aa RWEKTDLTYRILRFPWQLVQEQVRQTMAEALK), 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

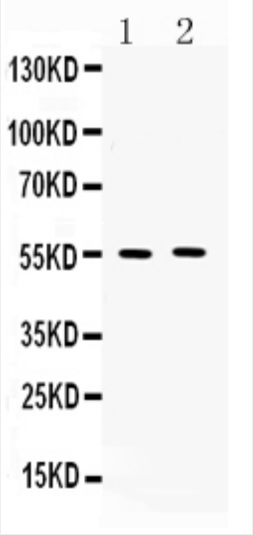
Anti-MMP11 Picoband Antibody - Protocols

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

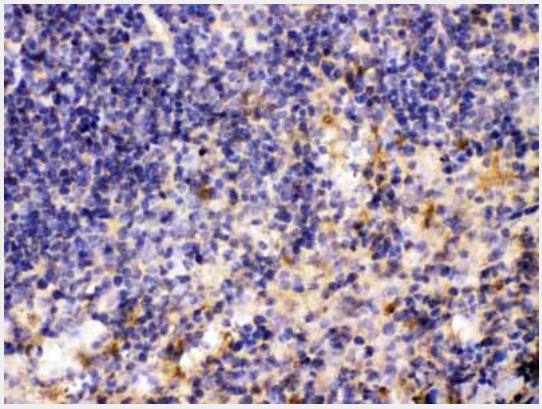
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MMP11 Picoband Antibody - Images

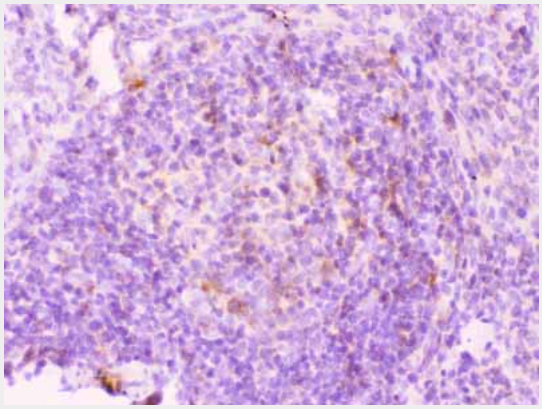
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method .

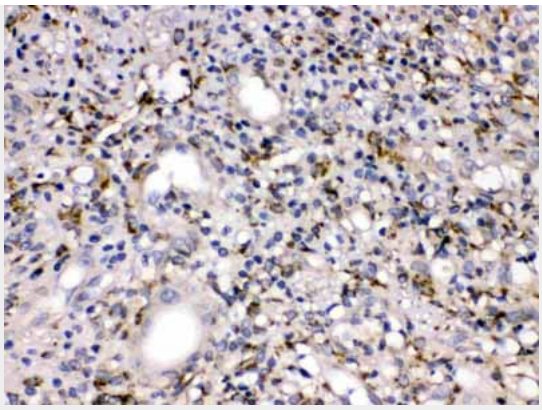


MMP11 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti-MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .



MMP11 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti-MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



MMP11 was detected in paraffin-embedded sections of human appendicitis tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1 Î¼g/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.