

Anti-MMP11 Picoband Antibody

Catalog # ABO10308

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.

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
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.
Source	Eukaryota
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 RWEKTDLTyrILRFPWQLVQEQRQTMAEALK), 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.
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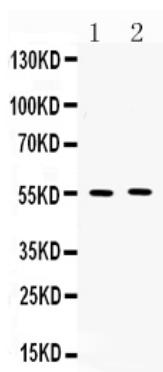
Protein Information

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

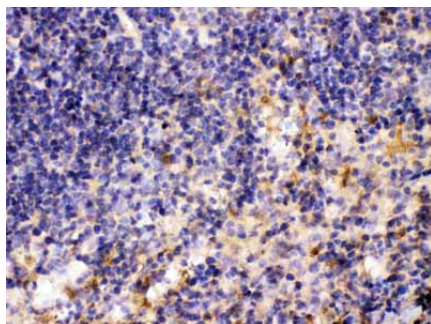
Background

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.

Images

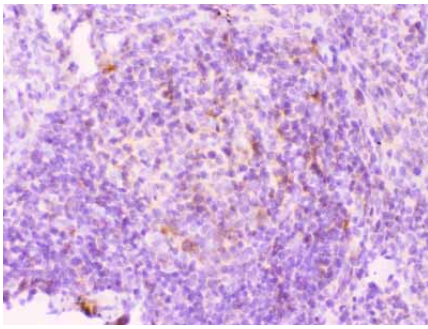


Western blot analysis of MMP11 expression in rat spleen extract (lane 1) and MM231 whole cell lysates (lane 2). MMP11 at 55KD was detected using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody (Catalog #ABO10308) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method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

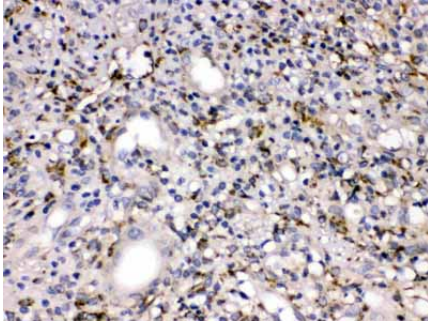


MMP11 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody (Catalog # ABO10308) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

MMP11 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody (Catalog #



ABO10308) at 1 μ 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 μ g/mL. The immunohistochemical section was developed using SABC method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.