

**Anti-MMP10 Picoband Antibody**  
**Catalog # ABO12356****Specification**

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**Anti-MMP10 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P09238</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Stromelysin-2(MMP10) detection. Tested with WB in Human.

**Reconstitution**

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

**Anti-MMP10 Picoband Antibody - Additional Information**

**Gene ID** 4319

**Other Names**

Stromelysin-2, SL-2, 3.4.24.22, Matrix metalloproteinase-10, MMP-10, Transin-2, MMP10, STMY2

**Calculated MW**

54151 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Secreted, extracellular space, extracellular matrix .

**Protein Name**

Stromelysin-2

**Contents**

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

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human MMP10 (409-443aa RFDENSQSMEQGFPRLIADDFPGVEPKVDAVLQAF), different from the related mouse sequence by twelve amino acids, and from the related rat sequence by nine amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

At -20°C for one year. After reconstitution, 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-MMP10 Picoband Antibody - Protein Information**

**Name** MMP10

**Synonyms** STMY2

**Function**

Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.

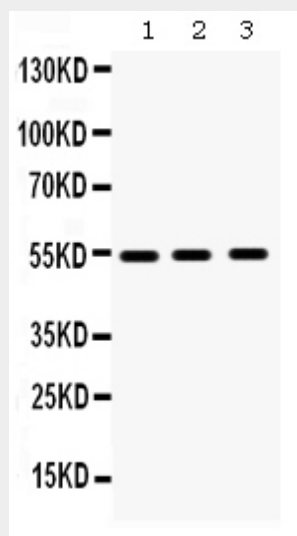
**Cellular Location**

Secreted, extracellular space, extracellular matrix

**Anti-MMP10 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-MMP10 Picoband Antibody - Images**

Anti- MMP10 Picoband antibody, ABO12356, Western blotting All lanes: Anti MMP10 (ABO12356) at 0.5ug/ml Lane 1: Human Placenta Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at

40ugLane 3: SGC Whole Cell Lysate at 40ugPredicted bind size: 54KDObserved bind size: 54KD

### **Anti-MMP10 Picoband Antibody - Background**

Stromelysin-2 also known as matrix metalloproteinase-10 (MMP-10) or transin-2 is an enzyme that in humans is encoded by the MMP10 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. The enzyme encoded by this gene degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.