

Anti-MMP10 Antibody

Catalog # ABO10706

Product Information

Application	WB
Primary Accession	P09238
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.

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
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted, extracellular space, extracellular matrix .
Source	Eukaryota
Protein Name	Stromelysin-2(SL-2)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MMP10(410-422aa FDENSQSMEQGFP).
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.
Sequence Similarities	Belongs to the peptidase M10A family.

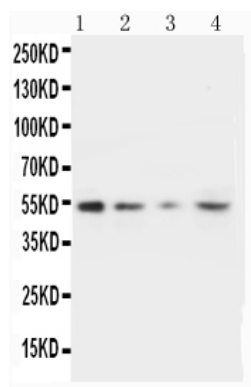
Protein Information

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

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.

Images



Anti-MMP10 antibody, ABO10706, Western blotting
Lane 1: Recombinant Human MMP-10 Protein 10ng
Lane 2: Recombinant Human MMP-10 Protein 5ng
Lane 3: Recombinant Human MMP-10 Protein 2.5ng
Lane 4: HELA Cell Lysate

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