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Datasheet for ABIN2855602 anti-MMP10 antibody

3 Images



Overview

Quantity:	100 µL
Target:	MMP10
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human MMP10.
	The exact sequence is proprietary.
Isotype:	lgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to MMP10 (matrix metallopeptidase 10 (stromelysin 2))
	MMP10 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	MMP10
Alternative Name:	matrix metallopeptidase 10 (MMP10 Products)

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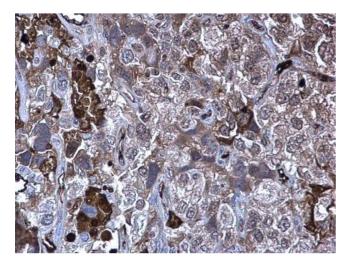
Target Details

Background:

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.

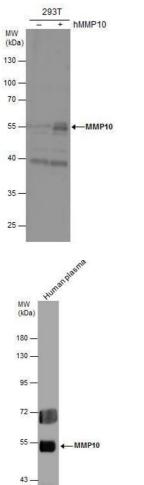
Molecular Weight:54 kDaGene ID:4319UniProt:P09238	
UniProt: P09238	
Application Details	
Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal diluti	ions/concentrations should be determined
by the researcher. Not tested in other applications.	
Comment: Positive Control: human MMP10-transfected 293T , h	numan plasma
Validation: Overexpression	
Restrictions: For Research Use only	
Handling	
Format: Liquid	
Concentration: 0.48 mg/mL	
Buffer: 1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thime	rosal
Preservative: Thimerosal (Merthiolate)	
Precaution of Use: This product contains Thimerosal (Merthiolate): a PO	DISONOUS AND HAZARDOUS SUBSTANCE
which should be handled by trained staff only.	
Storage: 4 °C,-20 °C	
Storage Comment: Store as concentrated solution. Centrifuge briefly price	or to opening vial. For short-term storage
(1-2 weeks), store at 4°C. For long-term storage, aliqu	uot and store at -20°C or below. Avoid
multiple freeze-thaw cycles.	

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Immunohistochemistry

Image 1. IHC-P Image MMP10 antibody detects MMP10 protein at secreted on human cervical carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human cervical carcinoma. MMP10 antibody , diluted at 1:500.



Western Blotting

Image 2. WB Image MMP10 antibody detects MMP10 protein by western blot analysis. Non-transfected (-) and MMP10-transfected (+) whole cell extracts ($30 \mu g$) were separated by 10% SDS-PAGE, and the membrane was blotted with MMP10 antibody, diluted at 1:1000.

Western Blotting

Image 3. WB Image MMP10 antibody detects MMP10 protein by western blot analysis. Human tissue extracts (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with MMP10 antibody , diluted at 1:2000.

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