# antibodies -online.com







# anti-MMP13 antibody (C-Term)

**Images** 

Overview



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Quantity:	400 μL		
Target:	MMP13		
Binding Specificity:	AA 295-324, C-Term		
Reactivity:	Human		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This MMP13 antibody is un-conjugated		
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))		
Product Details			
Immunogen:	This MMP13 antibody is generated from rabbits immunized with a KLH conjugated synthetic		
	peptide between 295-324 amino acids from the C-terminal region of human MMP13.		
Clone:	RB2094		
Isotype:	Ig Fraction		
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by		

# **Target Details**

Target:	MMP13
Alternative Name:	MMP13 (MMP13 Products)

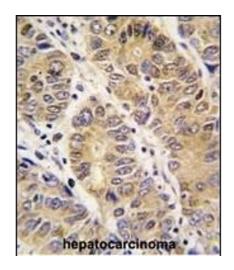
dialysis against PBS.

# **Target Details**

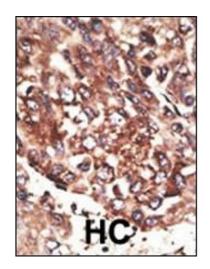
Expiry Date:

6 months

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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 MMPs are secreted as inactive proproteins which are activated
	when cleaved by extracellular proteinases. The protein encoded by this gene cleaves type II
	collagen more efficiently than types I and III. It may be involved in articular cartilage turnover
	and cartilage pathophysiology associated with osteoarthritis. The gene is part of a cluster of
	MMP genes which localize to chromosome 11q22.3.
Molecular Weight:	53820
Gene ID:	4322
NCBI Accession:	NP_002418
UniProt:	P45452
Application Details	
Application Notes:	WB: 1:500. WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small
	aliquots to prevent freeze-thaw cycles.



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## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with P13 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for iunohistochemistry, clinical relevance has not been evaluated.

### **Western Blotting**

**Image 2.** Anti-P13 Antibody at 1:500 dilution + MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.