

Datasheet for ABIN3022225  
**anti-MMP13 antibody (AA 262-471)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	MMP13
Binding Specificity:	AA 262-471
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP13 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 262-471 of human MMP13 (NP_002418.1).
Sequence:	IQSLYGPGE DPNPKHPKTP DKCDPSLSLD AITSLRGETM IFKDRFFWRL HPQQVDAELF LTKSFWPELP NRIDAAYEHP SHDLIFIFRG RKFWALNGYD ILEGYPKKIS ELGLPKEVKK ISAAVHFEDT GKTLLFSGNQ VWRYDDTNHI MDKDYPRLE EDFPGIGDKV DAVYEKNGYI YFFNGPIQFE YSIWSNRIVR VMPANSILWC
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	MMP13
Alternative Name:	MMP13 ( <a href="#">MMP13 Products</a> )
Background:	<p>This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease 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. Mutations in this gene are associated with metaphyseal anadysplasia. This gene is part of a cluster of MMP genes on chromosome 11.,MMP13,CLG3,MANDP1,MDST,MMP-13,Cancer,Tumor biomarkers,Invasion and Metastasis,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Cell Biology &amp; Developmental Biology,Cytoskeleton,Extracellular Matrix,MMPs,Ubiquitin,Cardiovascular,Angiogenesis,MMP13</p>
Molecular Weight:	53 kDa
Gene ID:	4322
UniProt:	<a href="#">P45452</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

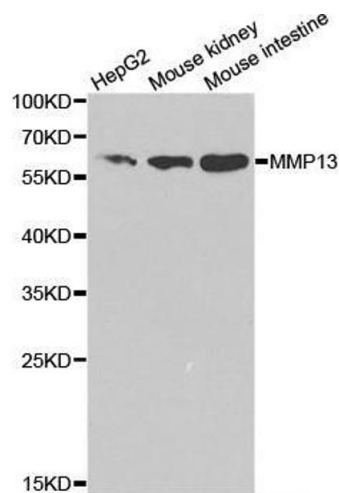
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

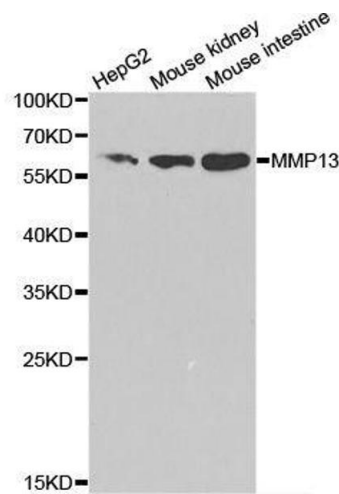
Product cited in: Zhou, Jiang, Dong, Yan, You, Su, Gong: "The proteins interacting with C-terminal of  $\mu$  receptor are identified by bacterial two-hybrid system from brain cDNA library in morphine-dependent rats." in: **Life sciences**, Vol. 143, pp. 156-67, (2016) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using MMP13 antibody.



**Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using MMP13 antibody.