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Datasheet for ABIN2786656 anti-MMP13 antibody (Middle Region)

3 Images

1 Publication



Overview

Quantity:	100 μL
Target:	MMP13
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Horse, Dog, Guinea Pig, Saccharomyces cerevisiae, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP13 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MMP13
Sequence:	HFMLPDDDVQ GIQSLYGPGD EDPNPKHPKT PDKCDPSLSL DAITSLRGET
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Sheep: 93%, Yeast: 83%
Characteristics:	This is a rabbit polyclonal antibody against MMP13. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	MMP13

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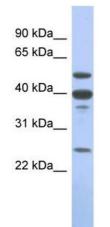
Target Details	
Alternative Name:	MMP13 (MMP13 Products)
Background:	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of
	extracellular matrix in normal physiological processes, such as embryonic development,
	reproduction, and tissue remodeling, as well as in disease processes, such as art
	Alias Symbols: CLG3, MANDP1
	Protein Interaction Partner: ADAMTS5, MMP14, BCAN, MMP13, F12, TIMP3, CCL7, COL2A1,
	LRP1,
	Protein Size: 471
Molecular Weight:	42 kDa
Gene ID:	4322
NCBI Accession:	NM_002427, NP_002418
UniProt:	P45452
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 471 AA
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

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Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: **Diagnostic microbiology and infectious disease**, Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).

Images

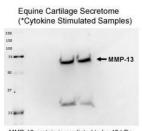


Western Blotting

Image 1. WB Suggested Anti-MMP13 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human Placenta



MMP-13 protein is predicted to be 42 kDa MMP-13 is a glycosylated protein of 60 kDa

MMP13 (ARP56350_P050)

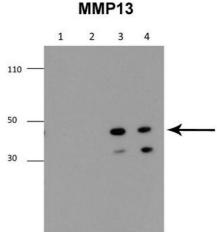
Western Blot Sample: Articular cartilage secretome Species: Equine cartilage explants Primary dilution: 1:1000 MMP-1 is expected to be around 52kDa The recreted protein may be larger

Application data in forum

Submitted by: Adam Williams The University of Nottingham

Western Blotting

Image 2. Sample Type: Equine Cartilage Explants
Primary Dilution: 1:1000
Secondary Antibody: Bio-Rad 170-5046
Secondary Dilution: 1:100,000
Image Submitted By: Adam Williams
University of Nottingham



See Immunblot 3 Data and Customer Fedback tab for more information.

Western Blotting

Image 3. Sample Type: 1. Normal HUman Cartilage (50ug)

- 2. Human Osteoarthritis cartilage (50ug)
- 3. Human Osteoarthritis chondrocytes (50ug)
- 4. Human Osteoarthritis chondrocytes +IL-1 (50ug)

Primary Dilution: 1:2000

Secondary Antibody: HRP conjugated anti-rabbit

Secondary Dilution: 1:5000

Image Submitted By: Mukundan Attur

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