

Anti-MMP9 antibody ab38898

★★★★☆ [46 Abreviews](#) [955 References](#) [1 图像](#)

概述

产品名称	Anti-MMP9抗体
描述	兔多克隆抗体to MMP9
宿主	Rabbit
特异性	<p>The antibody binds to MMP-9, but does not cross react with the other MMP family members (MMP-1, MMP-2, MMP-3).</p> <p>In our hands, no signal or a very weak signal was observed in WB in native human samples (BLAST of full length mouse protein sequence showed 72% homology with the Human MMP9 sequence).</p> <p>Treatment increasing the expression of MMP-9 is recommended when using this antibody.</p>
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Recombinant fragment
免疫原	Full length protein corresponding to Mouse MMP9.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 50% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab38898于以下的经测试应用

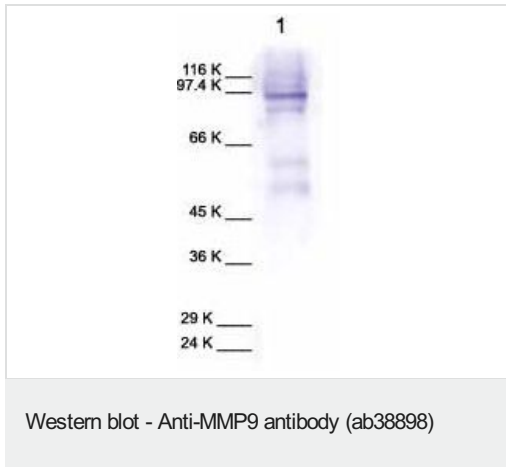
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (20)	1/1000. Detects a band of approximately 92 kDa. When using colorimetric substrates such as BCIP/NBT use at a 1/5000 dilution (for chemiluminescent substrates). Detects a band of approximately 92-95 kDa (pro-form) and 82kDa (active form) (Human samples). Mouse MMP9 is larger, and on SDS PAGE gels runs about 102-105 kDa. Dilution optimised using Chromogenic detection.

靶标

功能	May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide.
组织特异性	Produced by normal alveolar macrophages and granulocytes.
疾病相关	Intervertebral disc disease Metaphyseal anadysplasia 2
序列相似性	Belongs to the peptidase M10A family. Contains 3 fibronectin type-II domains. Contains 4 hemopexin repeats.
结构域	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
翻译后修饰	Processing of the precursor yields different active forms of 64, 67 and 82 kDa. Sequentially processing by MMP3 yields the 82 kDa matrix metalloproteinase-9. N- and O-glycosylated.
细胞定位	Secreted, extracellular space, extracellular matrix.

图片



Anti-MMP9 antibody (ab38898) + Human MMP9

Observed band size: 88,92 kDa

Ab38898 detects a band at 92 Kd (pro-form) and a band at 88 Kd (active form). Mouse MMP9 is slightly larger than human MMP9, and the antibody detects a band at about 105 Kd. It is recommend to concentrate samples by Gelatin-agarose affinity chromatography prior to Western blot usage. A recommended starting concentration for Western blots is 1:1000 when using colorimetric substrates such as BCIP/NBT, and 1:5000 for chemiluminescent substrates. Higher concentration of antibody may be needed for non-human samples.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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