

### Anti-MMP9 antibody [56-2A4] ab58803

★★★★★ [9 Abreviews](#) [97 References](#) [1 图像](#)

#### 概述

产品名称	Anti-MMP9抗体[56-2A4]
描述	小鼠单克隆抗体[56-2A4] to MMP9
宿主	Mouse
特异性	Recognizes the ~92 kDa latent and the ~83 kDa active forms of MMP9. Does not react with MMP1, MMP2, MMP3 or MMP13. The antibody recognizes precursor (92 kDa) and active (83 kDa) forms of human and guinea pig MMP-9.
经测试应用	适用于: IHC-P, IHC-Fr, ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Rabbit, Guinea pig, Human
免疫原	Synthetic peptide corresponding to Human MMP9 aa 626-644. Sequence: L FSGRRLWRFDVKAQMVDP  Database link: <a href="#">P14780</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
阳性对照	Breast carcinoma tissue. Conditioned medium of human fibrosarcoma HT1080 cells The protein is secreted so you may need to concentrate the protein from cell culture media. Concentrate protein by TCA, acetone or ammonium sulphate precipitation. HL60 cell lysate, U937 cell lysate, HT1080 cell lysate, human spleen lysate
常规说明	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.  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
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

存储溶液	pH: 7.00 Preservative: 0.1% Sodium azide Constituents: 1.64% Sodium phosphate, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	Is purified.
克隆	单克隆
克隆编号	56-2A4
同种型	IgG1
轻链类型	kappa

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab58803于以下的经测试应用

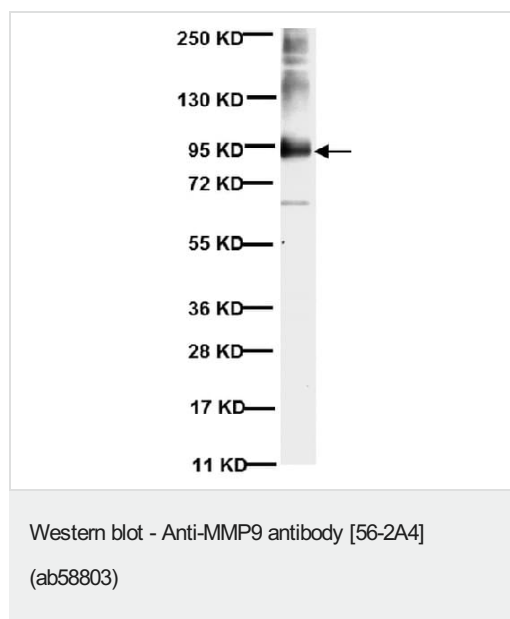
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★☆ (3)	Use at an assay dependent concentration.
IHC-Fr	★★★★☆ (3)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration. PubMed: 22496779
WB	★★★★☆ (2)	Use a concentration of 2 µg/ml. Detects a band of approximately 92 kDa (predicted molecular weight: 78 kDa).

## 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



1:500 dilution of ab58803 detected MMP-9 on 10  $\mu$ g of Human spleen lysates. Arrow indicates protein MMP-9 (~92 kDa). Lower bands indicate active forms of MMP-9

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

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