

HRP Anti-MMP9 antibody [EP1255Y] ab194316

重组 RabMAb

6 References 3 图像

概述

产品名称	HRP Anti-MMP9抗体[EP1255Y]
描述	HRP兔单克隆抗体[EP1255Y] to MMP9
宿主	Rabbit
偶联物	HRP
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: U937 whole cell lysate. IHC-P: FFPE human lung adenocarcinoma tissue sections.
常规说明	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1255Y
同种型	IgG

应用

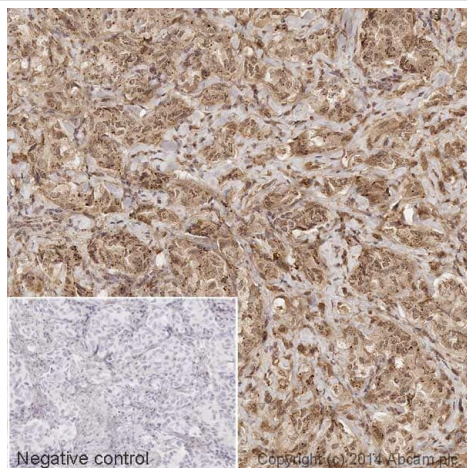
The Abpromise guarantee **Abpromise[™]承诺保证使用ab194316于以下的经测试应用**
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 78 kDa (predicted molecular weight: 78 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. ab199507 - Rabbit monoclonal IgG (HRP), is suitable for use as an isotype control with this antibody.

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

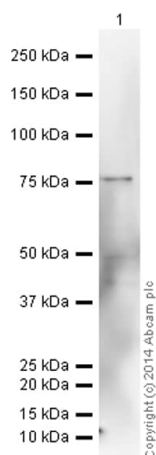


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-MMP9 antibody [EP1255Y] (ab194316)

IHC image of MMP9 staining in a section of formalin-fixed paraffin-embedded human lung adenocarcinoma*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins, and incubated overnight at +4°C with ab194316 at a working dilution of 1/500. DAB was used as the chromogen ([ab103723](#)), diluted 1/100 and incubated for 10min at room temperature. The section was counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Western blot - HRP Anti-MMP9 antibody [EP1255Y] (ab194316)

HRP Anti-MMP9 antibody [EP1255Y] (ab194316) at 1/1000 dilution + U937 (Human leukemic monocyte lymphoma cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 78 kDa

Observed band size: 78 kDa

Exposure time: 12 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab194316 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

HRP Anti-MMP9 antibody [EP1255Y] (ab194316)

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