

Anti-MMP3 antibody [EP1186Y] ab52915

重组 RabMAb

★★★★★ **4 Abreviews** **192 References** **10 图像**

概述

产品名称	Anti-MMP3抗体[EP1186Y]
描述	兔单克隆抗体[EP1186Y] to MMP3
宿主	Rabbit
特异性	79% identities with MMP10
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human MMP3 aa 450 to the C-terminus (C terminal). The exact sequence is proprietary.
阳性对照	WB: Raji, HEK293; mouse lung, placenta, brain, kidney liver lysate; rat brain, liver, spleen, kidney lysate; IHC-P: Rat kidney, mouse liver, human liver. ICC/IF: HT-29 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆

克隆编号

EP1186Y

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab52915于以下的经测试应用

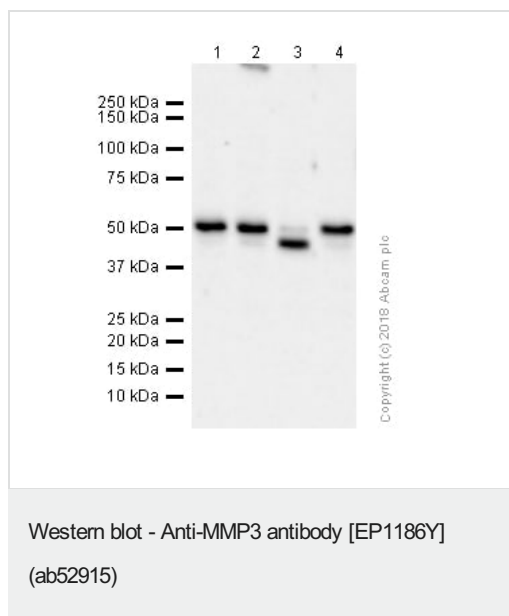
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/1000 - 1/20000. Detects a band of approximately 50 kDa (predicted molecular weight: 54 kDa).
IHC-P	★★★★★ (3)	1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. We recommend using a polymer-HRP conjugated secondary antibody. Incubate with ab52915 at 4C overnight.
ICC/IF		1/100 - 1/250.

靶标

功能	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.
序列相似性	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
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.
细胞定位	Secreted > extracellular space > extracellular matrix.

图片



All lanes : Anti-MMP3 antibody [EP1186Y] (ab52915) at 0.37 µg/ml (purified)

Lane 1 : Raji (Human Burkitt's lymphoma B lymphocyte)whole cell lysate

Lane 2 : HEK293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 3 : Mouse lung lysate

Lane 4 : Mouse placenta lysate

Lysates/proteins at 20 µg per lane.

Secondary

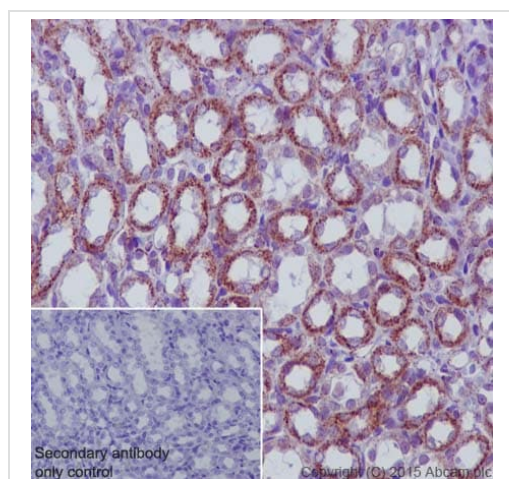
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 54 kDa

Observed band size: 50 kDa

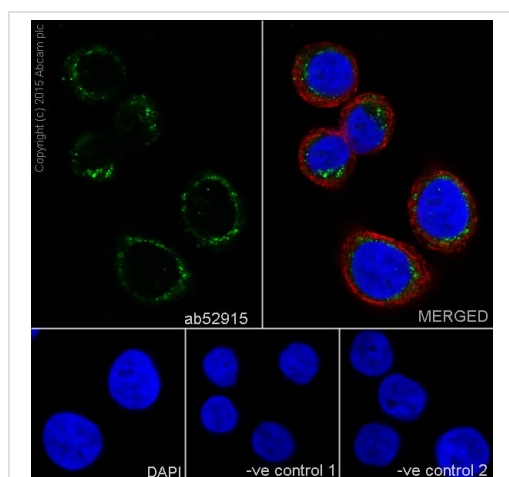
Exposure time: 84 seconds

Blocking and diluting buffer: 5% NFDm/TBST.



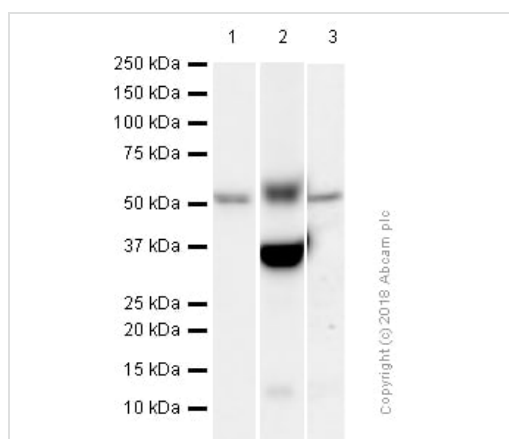
Immunohistochemical staining of paraffin embedded rat kidney with purified ab52915 at a working dilution of 1/50. The secondary antibody used is **ab97051**, a goat anti-rabbit IgG (H&L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MMP3 antibody [EP1186Y] (ab52915)



Immunocytochemistry/ Immunofluorescence - Anti-MMP3 antibody [EP1186Y] (ab52915)

Immunofluorescence staining of HT-29 cells with purified ab52915 at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor[®] 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor[®] 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 100% methanol and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab52915 was used at a dilution of 1/500 followed by an Alexa Fluor[®] 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/500. For negative control 2, **ab7291** (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor[®] 488 goat anti-rabbit antibody (**ab150077**) at a dilution of 1/400.



Western blot - Anti-MMP3 antibody [EP1186Y] (ab52915)

All lanes : Anti-MMP3 antibody [EP1186Y] (ab52915) at 0.37 µg/ml (purified)

Lane 1 : Rat brain lysate

Lane 2 : Rat liver lysate

Lane 3 : Rat spleen lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

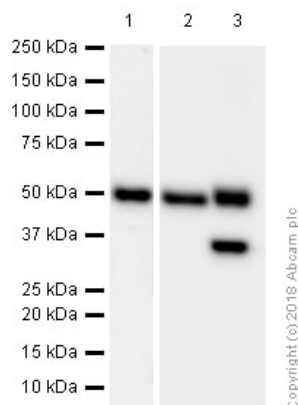
Predicted band size: 54 kDa

Observed band size: 50 kDa

Blocking and diluting buffer: 5% NFDM/TBST.

Exposure time: Lane 1 & 2: 10 seconds

Lane 3: 3 minutes



Western blot - Anti-MMP3 antibody [EP1186Y]
(ab52915)

All lanes : Anti-MMP3 antibody [EP1186Y] (ab52915) at 0.37 $\mu\text{g/ml}$ (purified)

Lane 1 : Mouse brain lysate

Lane 2 : Mouse kidney lysate

Lane 3 : Mouse liver lysate

Lysates/proteins at 20 μg per lane.

Secondary

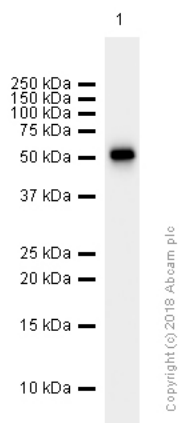
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 54 kDa

Blocking and diluting buffer: 5% NFDM/TBST.

Exposure time: Lane 1: 3 minutes

Lane 2 & 3: 4 seconds



Western blot - Anti-MMP3 antibody [EP1186Y]
(ab52915)

Anti-MMP3 antibody [EP1186Y] (ab52915) at 0.37 $\mu\text{g/ml}$ (purified)
+ Rat kidney lysate at 20 μg

Secondary

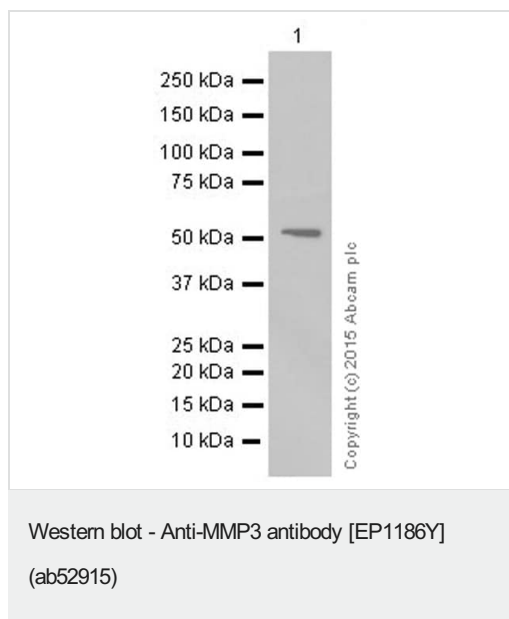
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 54 kDa

Observed band size: 50 kDa

Exposure time: 15 seconds

Blocking and diluting buffer: 5% NFDM/TBST



Anti-MMP3 antibody [EP1186Y] (ab52915) at 1/20000 dilution (purified) + MMP3 recombinant protein

Secondary

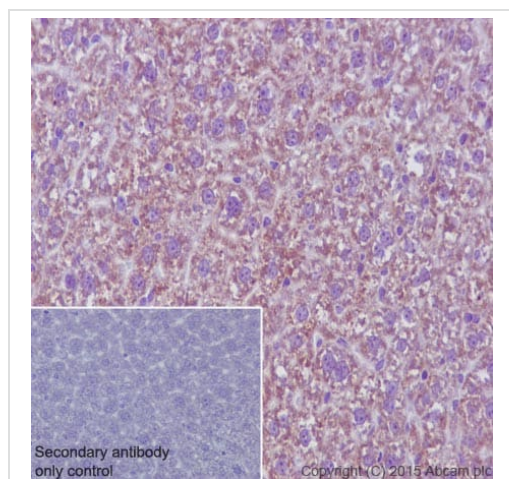
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 54 kDa

Observed band size: 50 kDa

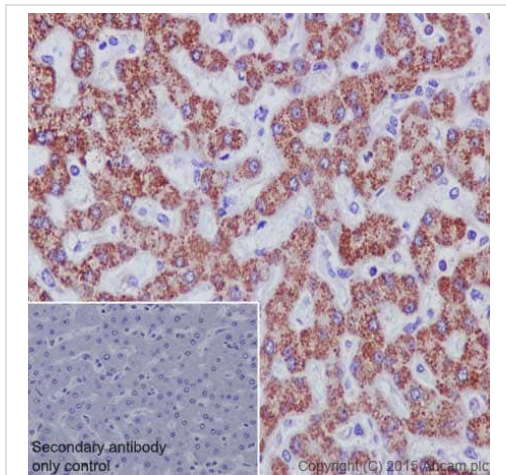
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Immunohistochemical staining of paraffin embedded mouse liver with purified ab52915 at a working dilution of 1/50. The secondary antibody used is [ab97051](#), a goat anti-rabbit IgG (H&L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MMP3 antibody [EP1186Y] (ab52915)



Immunohistochemical staining of paraffin embedded human liver with purified ab52915 at a working dilution of 1/50. The secondary antibody used is **ab97051**, a goat anti-rabbit IgG (H&L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MMP3 antibody [EP1186Y] (ab52915)

Why choose a recombinant antibody?



Anti-MMP3 antibody [EP1186Y] (ab52915)

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

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