

Anti-MMP12 antibody [EP1261Y] ab52897

重组 RabMAb

34 References 4 图像

概述	
产品名称	Anti-MMP12抗体[EP1261Y]
描述	兔单克隆抗体[EP1261Y] to MMP12
宿主	Rabbit
经测试应用	适用于: WB, IP 不适用于: Flow Cyt or IHC-P
种属反应性	与反应: Human, Recombinant fragment
免疫原	Synthetic peptide within Human MMP12 aa 450 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: <a href="#">P39900</a>
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1261Y
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab52897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 - 1/10000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).
IP		1/20. <b>For unpurified use at 1/30.</b>

**应用说明** Is unsuitable for Flow Cyt or IHC-P.

靶标

<b>功能</b>	May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.
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组织特异性	Found in alveolar macrophages but not in peripheral blood monocytes.
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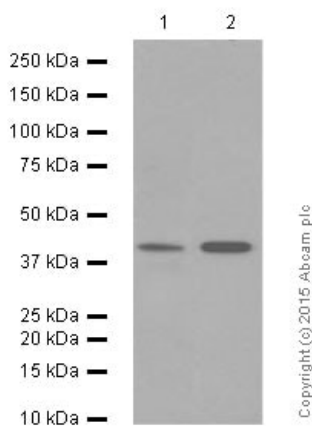
**序列相似性** Belongs to the peptidase M10A family.  
Contains 4 hemopexin-like domains.

**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.

**形式** The presence of a 22kDa truncated active form of MMP-12 in vitro as well as in vivo due to the internal autolytic cleavage of the C-terminus.

图片



Western blot - Anti-MMP12 antibody [EP1261Y]  
(ab52897)

**All lanes :** Anti-MMP12 antibody [EP1261Y] (ab52897) at 1/2000 dilution (purified)

**Lane 1 :** HT-1080 cell lysate

**Lane 2 :** WI-38 cell lysate

Lysates/proteins at 10 µg per lane.

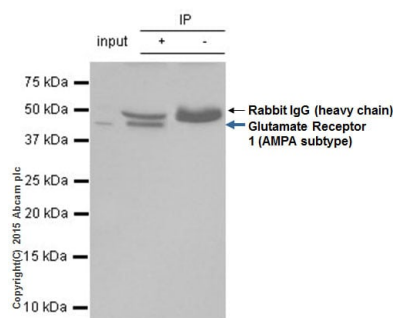
### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/1000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 54 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

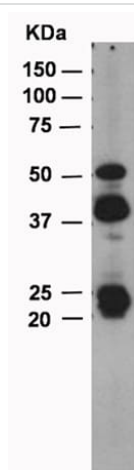


Immunoprecipitation - Anti-MMP12 antibody  
[EP1261Y] (ab52897)

ab52897 (purified) at 1/20 immunoprecipitating Glutamate Receptor 1 in HeLa whole cell lysate. 10 ug of cell lysate was present in the input. For western blotting, a HRP-conjugated Veriblot for IP Detection Reagent (**ab131366**) (1/1,500) was used for detection. A rabbit monoclonal IgG (**ab172730**) was used instead of **ab128913** as a negative control (Lane 3).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-MMP12 antibody [EP1261Y]  
(ab52897)

Based on Western blot, unpurified ab52897 recognizes both pro and active MMP. The propeptide is 54 kDa, and 45 kDa and 22 kDa are active forms. The primary was used at 1:100 to detect recombinant MMP12 protein, but can be diluted more to decrease the intensity of the bands.

#### 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

Anti-MMP12 antibody [EP1261Y] (ab52897)

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

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