

Anti-MMP12 antibody [EP1261Y] ab52897

リコンビナント **RabMAb**

34 References **画像数 4**

製品の概要

製品名	Anti-MMP12 antibody [EP1261Y]
製品の詳細	Rabbit monoclonal [EP1261Y] to MMP12
由来種	Rabbit
アプリケーション	適用あり: WB, IP 適用なし: Flow Cyt or IHC-P
種交差性	交差種: 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: P39900
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1261Y
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab52897の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

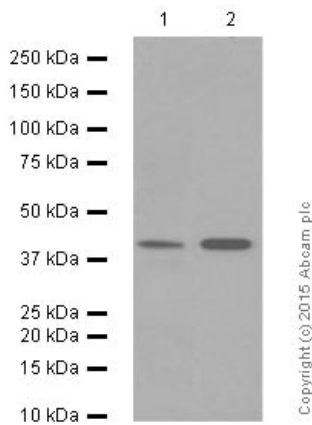
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).
IP		1/20. For unpurified use at 1/30.

追加情報 Is unsuitable for Flow Cyt or IHC-P.

ターゲット情報

機能	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.
組織特異性	Found in alveolar macrophages but not in peripheral blood monocytes.
配列類似性	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
ドメイン	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.
細胞内局在	Secreted > extracellular space > extracellular matrix.
製品の状態	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.

画像



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.

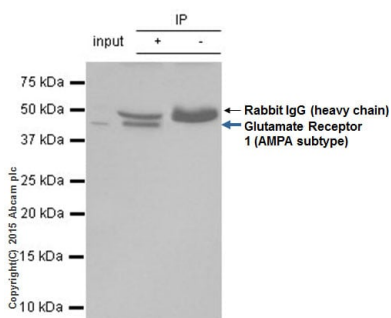
Secondary

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.

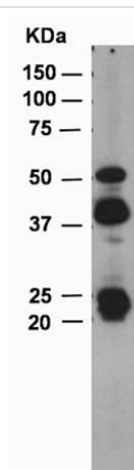


Immunoprecipitation - Anti-MMP12 antibody
[EP1261Y] (ab52897)

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)

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