

Anti-MMP12 antibody ab137443

3 图像

概述

产品名称	Anti-MMP12抗体
描述	兔多克隆抗体to MMP12
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide, corresponding to a region within internal sequence amino acids 213 - 307 of Human MMP12 (NP_002417).
阳性对照	293T, H1299 and HeLaS3 whole cell lysates; DLD1 xenograft tissue; H1299 cells.
常规说明	<p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab137443于以下的经测试应用

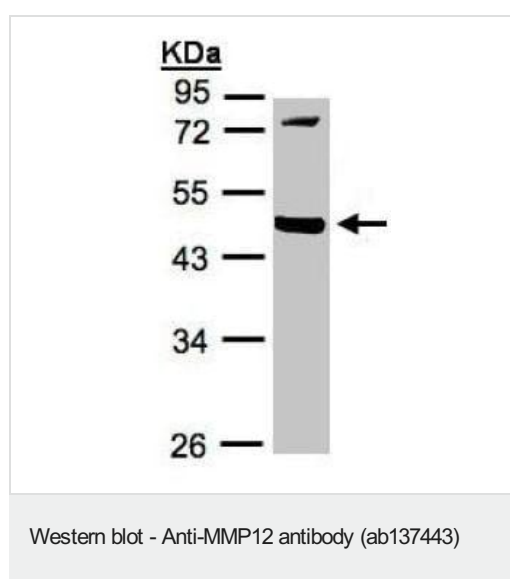
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 54 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

靶标

功能	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.
组织特异性	Found in alveolar macrophages but not in peripheral blood monocytes.
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.

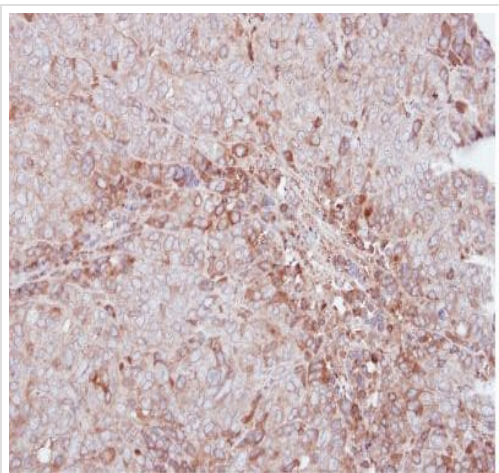
图片



Anti-MMP12 antibody (ab137443) at 1/1000 dilution + 293T whole cell lysate at 30 µg

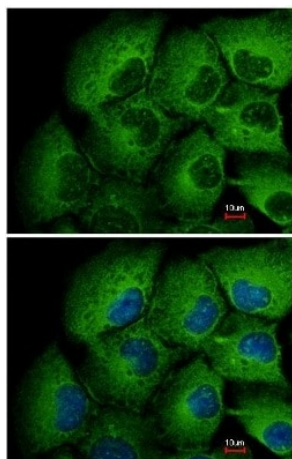
Predicted band size: 54 kDa

10% SDS PAGE



Immunohistochemical analysis of paraffin-embedded DLD1 xenograft tissue labelling MMP12 with ab137443 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MMP12 antibody (ab137443)



Immunofluorescence analysis of methanol-fixed H1299 cells labelling MMP12 with ab137443 at 1/500 dilution. The image in the lower panel is costained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-MMP12 antibody (ab137443)

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

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