

Anti-Collagen V antibody [EPR23762-54] ab275881

重组 RabMAb

1 References [4 图像](#)

概述

产品名称	Anti-Collagen V抗体[EPR23762-54]
描述	兔单克隆抗体[EPR23762-54] to Collagen V
宿主	Rabbit
特异性	The immunogen of this antibody is based on Collagen V-COL5A2, low homology with Collagen V-COL5A1 based on immunogen design.
经测试应用	适用于: WB 不适用于: Flow Cyt, ICC/IF, IHC-P or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Rat and mouse articular cartilage tissue lysate; Rat and Mouse articular cartilage organ culture supernatant.
常规说明	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 .

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 long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 EPR23762-54

同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab275881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。

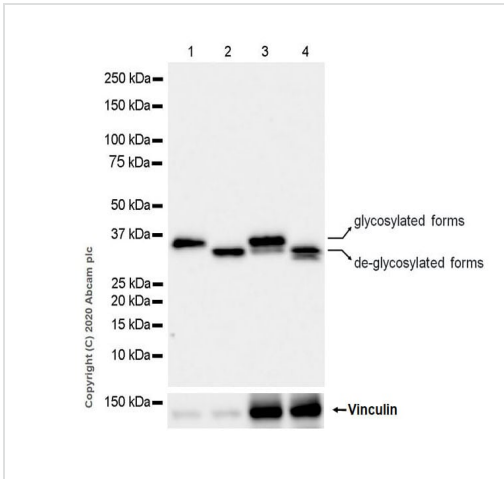
应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 32, 36, 145 kDa (predicted molecular weight: 184 kDa).

应用说明 Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

靶标

功能	Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.
疾病相关	Ehlers-Danlos syndrome 1 Ehlers-Danlos syndrome 2
序列相似性	Belongs to the fibrillar collagen family. Contains 1 fibrillar collagen NC1 domain. Contains 1 laminin G-like domain.
结构域	The C-terminal propeptide, also known as COLFI domain, have crucial roles in tissue growth and repair by controlling both the intracellular assembly of procollagen molecules and the extracellular assembly of collagen fibrils. It binds a calcium ion which is essential for its function.
翻译后修饰	Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. Sulfated on 40% of tyrosines.
细胞定位	Secreted > extracellular space > extracellular matrix.

图片



Western blot - Anti-Collagen V antibody [EPR23762-54] (ab275881)

All lanes : Anti-Collagen V antibody [EPR23762-54] (ab275881) at 1/1000 dilution

Lane 1 : Mouse articular cartilage organ culture supernatant at 10 µl

Lane 2 : Mouse articular cartilage organ culture supernatant treated with PNGase F at 10 µl

Lane 3 : Mouse articular cartilage tissue lysate at 20 µg

Lane 4 : Mouse articular cartilage tissue lysate treated with PNGase F at 20 µg

Secondary

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

Predicted band size: 184 kDa

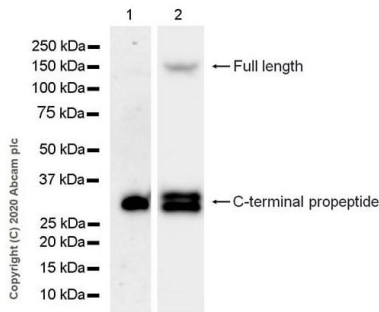
Observed band size: 32,36 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression pattern is consistent with what has been described in the literature (PMID: 20625483).

Glycosylation leads to the shift of the bands.

Exposure time: 6 seconds.



Western blot - Anti-Collagen V antibody [EPR23762-54] (ab275881)

All lanes : Anti-Collagen V antibody [EPR23762-54] (ab275881) at 1/1000 dilution

Lane 1 : Rat placenta organ culture supernatant at 30 μ l

Lane 2 : Rat articular cartilage tissue lysate at 20 μ g

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

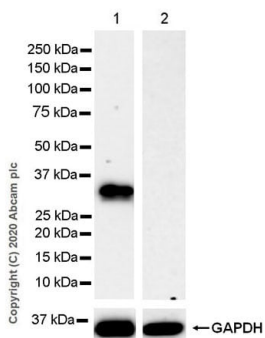
Predicted band size: 184 kDa

Observed band size: 145,32 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression pattern is consistent with what has been described in the literature (PMID: 23262228, 20625483).

Exposure time: Lane 1: 92 seconds Lane 2: 1 seconds.



Western blot - Anti-Collagen V antibody [EPR23762-54] (ab275881)

All lanes : Anti-Collagen V antibody [EPR23762-54] (ab275881) at 1/1000 dilution

Lane 1 : Mouse articular cartilage tissue lysate

Lane 2 : Mouse PBMCs (peripheral blood mononuclear cell) whole cell lysate

Lysates/proteins at 20 μ g per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

Predicted band size: 184 kDa

Observed band size: 32 kDa

Blocking and diluting buffer and concentration: 5% NFD/MTBST.

The expression pattern is consistent with what has been described in the literature (PMID: 20625483).

Low expression: Mouse PBMCs (database:HPA).

Exposure time: Lane 1: 5 seconds Lane 2: 3 minutes.

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

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