

Anti-Collagen X antibody [COL-10] ab49945

★★★★★ [5 Abreviews](#) [87 References](#) [2 图像](#)

概述

产品名称	Anti-Collagen X抗体[COL-10]
描述	小鼠单克隆抗体[COL-10] to Collagen X
宿主	Mouse
经测试应用	适用于: IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Purified pig Collagen type X.
表位	Hybridoma produced by the fusion of mouse myeloma cells and splenocytes from a BALB/c mouse immunized with porcine collagen type X.
阳性对照	IHC-P: Enzyme treated sections of decalcified human osteochondroma.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 17 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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. 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	<p>pH: 7.4</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituent: 0.142% Dibasic monohydrogen sodium phosphate</p>
纯度	Tissue culture supernatant
克隆	单克隆

克隆编号COL-10

同种型IgM

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab49945于以下的经测试应用

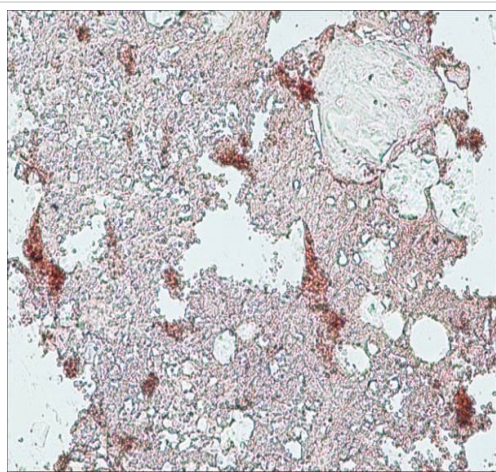
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (3)	Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

靶标

功能	Type X collagen is a product of hypertrophic chondrocytes and has been localized to presumptive mineralization zones of hyaline cartilage.
疾病相关	Defects in COL10A1 are the cause of Schmid type metaphyseal chondrodysplasia (SMCD) [MIM:156500]. SMCD is a dominantly inherited disorder of the osseous skeleton. The cardinal features of the phenotype are mild short stature, coxa vara and a waddling gait. Radiography usually shows sclerosis of the ribs, flaring of the metaphyses, and a wide irregular growth plate, especially of the knees. A variant form of SMCD is spondylometaphyseal dysplasia Japanese type. It is characterized by spinal involvement comprising mild platyspondyly, vertebral body abnormalities, and end-plate irregularity.
序列相似性	Contains 1 C1q domain.
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.
细胞定位	Secreted > extracellular space > extracellular matrix.

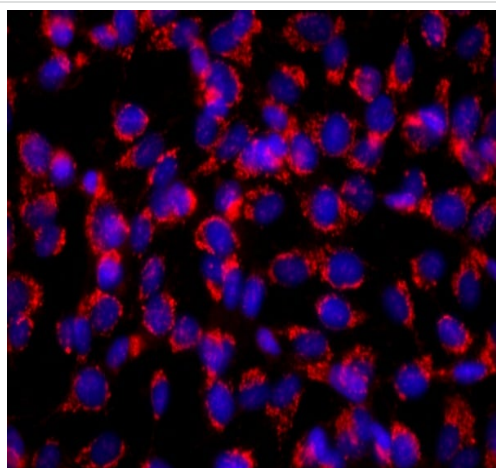
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Collagen X antibody [COL-10] (ab49945)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human osteochondroma tissue labelling Collagen X with ab49945 at a dilution of 1/1000.

This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-Collagen X antibody [COL-10] (ab49945)

ICC/IF of HT1080 human fibrosarcoma cells labelling Collagen X with ab49945 at 1/1000 dilution. The cells were methanol acetone fixed. Secondary antibody was a Cy3 anti mouse IgG. Nuclei are stained with DAPI.

This image was generated using the ascites version of the product.

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