

Anti-Collagen X antibody [COL-10] ab49945

★★★★☆ [5 Abreviews](#) [87 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Collagen X antibody [COL-10]
製品の詳細	Mouse monoclonal [COL-10] to Collagen X
由来種	Mouse
アプリケーション	適用あり: IHC-P, ICC/IF
種交差性	交差種: Human
免疫原	Purified pig Collagen type X.
エピトープ	Hybridoma produced by the fusion of mouse myeloma cells and splenocytes from a BALB/c mouse immunized with porcine collagen type X.
ポジティブ・コントロール	IHC-P: Enzyme treated sections of decalcified human osteochondroma.
特記事項	<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>

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.4 Preservative: 0.01% Sodium azide Constituent: 0.142% Dibasic monohydrogen sodium phosphate
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル

クローン名 COL-10
アイソタイプ IgM

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ab49945の使用に適用されず**
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検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★☆ (3)	Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能 Type X collagen is a product of hypertrophic chondrocytes and has been localized to presumptive mineralization zones of hyaline cartilage.

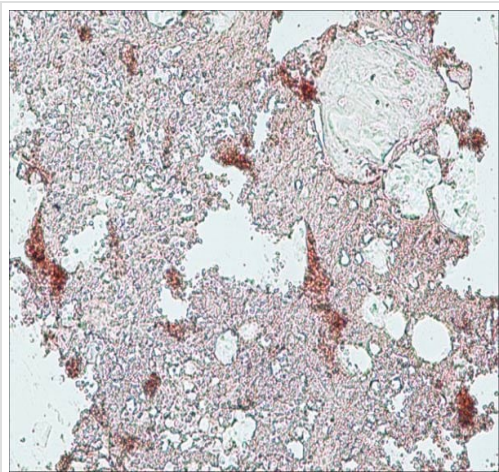
関連疾患 Defects in COL10A1 are the cause of Schmid type metaphyseal chondrodysplasia (SMCD) [MIM:156500]. SMCD is a dominantly inherited disorder of the osseous skeleton. The cardinal features of the phenotype are mild short stature, coxa vara and a waddling gait. Radiography usually shows sclerosis of 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.

配列類似性 Contains 1 C1q domain.

翻訳後修飾 Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

細胞内局在 Secreted > extracellular space > extracellular matrix.

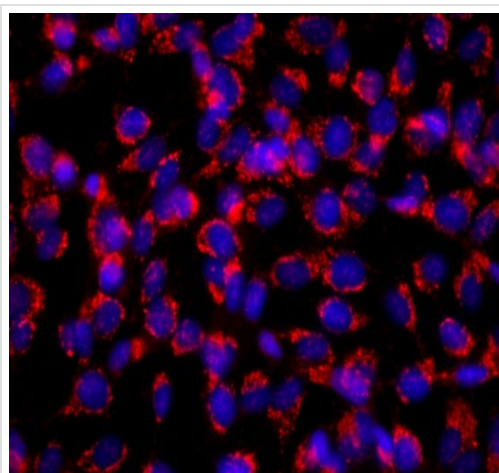
画像



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ostochondroma 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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