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Product datasheet

Anti-COL11A1 antibody ab64883

4 Abreviews 26 References 1 图像

概述

产品名称	Anti-COL11A1抗体
描述	兔多克隆抗体to COL11A1
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide from an internal sequence of Human COL11A1.
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
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ab64883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 - 1/1000. Detects a band of approximately >170 kDa (predicted molecular weight: 181 kDa).

靶标

功能
May play an important role in fibrillogenesis by controlling lateral growth of collagen II fibrils.

组织特异性
Cartilage, placenta and some tumor or virally transformed cell lines. Isoforms using exon IIA or IIB are found in the cartilage while isoforms using only exon IIB are found in the tendon.

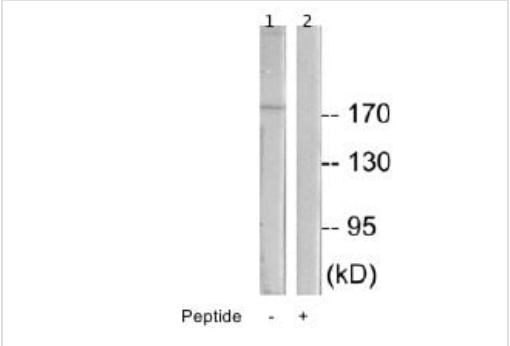
疾病相关
Defects in COL11A1 are the cause of Stickler syndrome type 2 (STL2) [MIM:604841]; also known as Stickler syndrome vitreous type 2. STL2 is an autosomal dominant form of Stickler syndrome, an inherited disorder that associates ocular signs with more or less complete forms of Pierre Robin sequence, bone disorders and sensorineural deafness. Ocular disorders may include juvenile cataract, myopia, strabismus, vitreoretinal or chorioretinal degeneration, retinal detachment, and chronic uveitis. Robin sequence includes an opening in the roof of the mouth (a cleft palate), a large tongue (macroglossia), and a small lower jaw (micrognathia). Bones are affected by slight platyspondylisis and large, often defective epiphyses. Juvenile joint laxity is followed by early signs of arthrosis. The degree of hearing loss varies among affected individuals and may become more severe over time. Syndrome expressivity is variable.
Defects in COL11A1 are the cause of Marshall syndrome (MARSHS) [MIM:154780]. It is an autosomal dominant disorder with ocular, orofacial, auditory and skeletal manifestations. It shares several features with Stickler syndrome, such as midfacial hypoplasia, high myopia, and sensorineural-hearing deficit.

序列相似性
Belongs to the fibrillar collagen family.
Contains 1 fibrillar collagen NC1 domain.
Contains 1 TSP N-terminal (TSPN) 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



Western blot - Anti-COL11A1 antibody (ab64883)

All lanes : Anti-COL11A1 antibody (ab64883) at 1/500 dilution

Lane 1 : extracts from K562 cells (5-30µg total protein)
Lane 2 : extracts from K562 cells (5-30µg total protein) and 5-10µg of the immunising peptide.

Predicted band size: 181 kDa
Observed band size: 181 kDa

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