

Anti-Collagen III antibody [1E7-D7/Col3] ab23445

★★★★★ [4 Abreviews](#) [22 References](#) [1 图像](#)

概述

产品名称	Anti-Collagen III抗体[1E7-D7/Col3]
描述	小鼠单克隆抗体[1E7-D7/Col3] to Collagen III
宿主	Mouse
特异性	ab23445 is highly specific for type III Collagen. It has been shown to have no cross reactivity with type I and V Collagens. There is no evidence for cross reactivity with other connective tissue proteins (laminin, fibronectin, elastin).
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 不与反应: Sheep, Cow
免疫原	Full length native protein (purified) corresponding to Human Collagen III. Database link: P02461
表位	The epitope recognised by ab23445 is located approximately 100nm from the N terminal of the molecule.
阳性对照	Frozen and unfixed human or kangaroo skin tissue slides.
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. 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	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 0.0268% PBS, 2.9% Sodium chloride
纯度	Protein A purified

克隆	单克隆
克隆编号	1E7-D7/Col3
骨髓瘤	NS1/1-Ag4-1
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab23445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	★★★★★ (2)	Use at an assay dependent concentration.

靶标

功能	Collagen type III occurs in most soft connective tissues along with type I collagen.
疾病相关	<p>Defects in COL3A1 are a cause of Ehlers-Danlos syndrome type 3 (EDS3) [MIM:130020]; also known as benign hypermobility syndrome. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS3 is a form of Ehlers-Danlos syndrome characterized by marked joint hyperextensibility without skeletal deformity.</p> <p>Defects in COL3A1 are the cause of Ehlers-Danlos syndrome type 4 (EDS4) [MIM:130050]. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS4 is the most severe form of the disease. It is characterized by the joint and dermal manifestations as in other forms of the syndrome, characteristic facial features (acrogeria) in most patients, and by proneness to spontaneous rupture of bowel and large arteries. The vascular complications may affect all anatomical areas. Defects in COL3A1 are a cause of susceptibility to aortic aneurysm abdominal (AAA) [MIM:100070]. AAA is a common multifactorial disorder characterized by permanent dilation of the abdominal aorta, usually due to degenerative changes in the aortic wall. Histologically, AAA is characterized by signs of chronic inflammation, destructive remodeling of the extracellular matrix, and depletion of vascular smooth muscle cells.</p>
序列相似性	<p>Belongs to the fibrillar collagen family.</p> <p>Contains 1 fibrillar collagen NC1 domain.</p> <p>Contains 1 VWFC domain.</p>
翻译后修饰	<p>Proline residues at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.</p> <p>O-linked glycan consists of a Glc-Gal disaccharide bound to the oxygen atom of a post-translationally added hydroxyl group.</p>
细胞定位	Secreted > extracellular space > extracellular matrix.

图片



Immunohistochemistry (Paraffin-embedded sections) analysis of human bronchus tissue labelling Collagen III with ab23445.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Collagen III antibody
[1E7-D7/Col3] (ab23445)

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

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