

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

★★★★★ **4 Abreviews** **22 References** 画像数 1

製品の概要

製品名	Anti-Collagen III antibody [1E7-D7/Col3]
製品の詳細	Mouse monoclonal [1E7-D7/Col3] to Collagen III
由来種	Mouse
特異性	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).
アプリケーション	適用あり: IHC-P
種交差性	交差種: Human 非交差種: Sheep, Cow
免疫原	Full length native protein (purified) corresponding to Human Collagen III. Database link: P02461
エピトープ	The epitope recognised by ab23445 is located approximately 100nm from the N terminal of the molecule.
ポジティブ・コントロール	Frozen and unfixed human or kangaroo skin tissue slides.
特記事項	<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: 7.40 Preservative: 0.097% Sodium azide Constituents: 0.0268% PBS, 2.9% Sodium chloride
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	1E7-D7/Col3
ミエローマ	NS1/1-Ag4-1
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

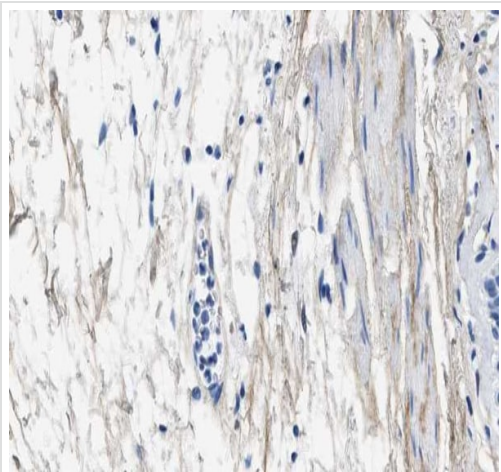
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab23445の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.

ターゲット情報

機能	Collagen type III occurs in most soft connective tissues along with type I collagen.
関連疾患	<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.</p> <p>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>
配列類似性	<p>Belongs to the fibrillar collagen family.</p> <p>Contains 1 fibrillar collagen NC1 domain.</p> <p>Contains 1 VWFC domain.</p>
翻訳後修飾	<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>
細胞内局在	Secreted > extracellular space > extracellular matrix.

画像



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)

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