

Product datasheet

Anti-Collagen III antibody ab59436

画像数 2

製品の概要

製品名	Anti-Collagen III antibody
製品の詳細	Rabbit polyclonal to Collagen III
由来種	Rabbit
特異性	Detects endogenous levels of total collagen III protein.
アプリケーション	適用あり: ICC/IF, ELISA, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat ▲
免疫原	Synthetic peptide (Human) from an internal region.
ポジティブ・コントロール	Human pancreas tissue and HeLa cells.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項 (精製)	Affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

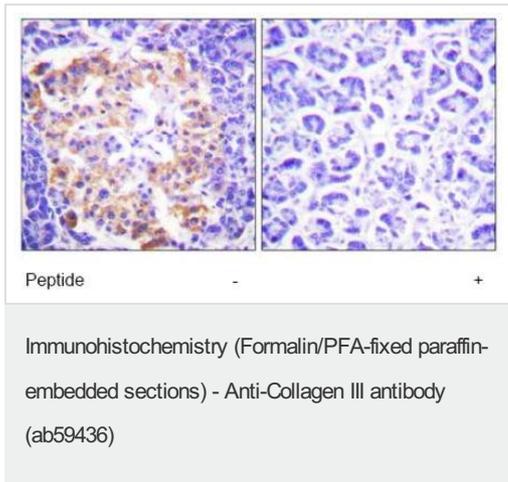
アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab59436** in the following tested applications.

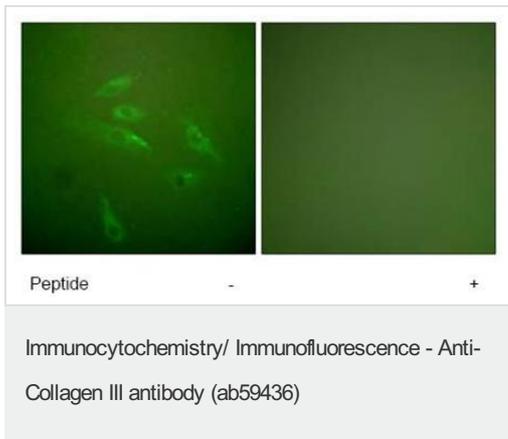
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		

アプリケーション	Abreviews	特記事項
ELISA		
IHC-P		
<b>追加情報</b>	<p>ELISA: 1/5000.            ICC/IF: 1/500 - 1/1000.            IHC-P: Use at an assay dependent dilution. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol, using 10 MM citrate buffer, pH 6.0.</p> <p>Not yet tested in other applications.            Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>ターゲット情報</b>		
<b>機能</b>	Collagen type III occurs in most soft connective tissues along with type I collagen.	
<b>関連疾患</b>	<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>	
<b>配列類似性</b>	<p>Belongs to the fibrillar collagen family.            Contains 1 fibrillar collagen NC1 domain.            Contains 1 VWFC domain.</p>	
<b>翻訳後修飾</b>	<p>Proline residues at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.            O-linked glycan consists of a Glc-Gal disaccharide bound to the oxygen atom of a post-translationally added hydroxyl group.</p>	
<b>細胞内局在</b>	Secreted > extracellular space > extracellular matrix.	
<b>画像</b>		



Immunohistochemical analysis of Collagen III in human pancreas tissue (paraffin section) using ab59436 (1/500 dilution); in the presence or absence of immunizing peptide.



Immunofluorescence analysis of Collagen III in HeLa cells using ab59436; in the presence or absence of immunizing peptide.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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