abcam

Product datasheet

Anti-Collagen III antibody (Biotin) ab24823

製品の概要

製品名	Anti-Collagen III antibody (Biotin)
製品の詳細	Goat polyclonal to Collagen III (Biotin)
由来種	Goat
標識	Biotin
特異性	Reacts with conformational determinants on human type III collagen as demonstrated by ELISA. May react with type III collagen from other species. Exhibits <10% cross reactivity with collagen type I, II, IV, V and VI. The antibody has not been tested for reactivity with other ECM proteins (e.g., laminin, fibronectin).
アプリケーション	**適用あり:** Dot blot, ELISA, ICC, IHC-Fr
種交差性	**交差種:** Human
免疫原	Human type III collagen.

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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.1% Sodium Azide Constituents: PBS
精製度	Immunogen affinity purified
特記事項（精製）	Affinity chromatography on human type III collagen covalently linked to agarose.
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 **ab24823** 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
Dot blot		Use at an assay dependent dilution.
ELISA		1/1000 - 1/4000.
ICC		1/20 - 1/40.
IHC-Fr		1/20 - 1/40.

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	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. 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.
配列類似性	Belongs to the fibrillar collagen family. Contains 1 fibrillar collagen NC1 domain. Contains 1 VWFC domain.
翻訳後修飾	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.
細胞内局在	Secreted > extracellular space > extracellular matrix.

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