

Product datasheet

Anti-Collagen III antibody ab24129

1 References

製品の概要

製品名	Anti-Collagen III antibody
製品の詳細	Goat polyclonal to Collagen III
由来種	Goat
特異性	Specificity was ascertained by competition ELISA. Complete inhibition is found if the antibody was preincubated with collagen type III. Inhibition by other types of collagens was observed only at 20-50 times higher concentration. No inhibition was found with fibronectin, fibrinogen and laminin. Characteristic immunostaining pictures of frozen sections of human kidney, liver, skin and heart are produced to certify batch quality.
アプリケーション	適用あり: IHC-Fr, Dot blot, ELISA
種交差性	交差種: Human
免疫原	Extensively purified native collagen type III extracted from human skin.
ポジティブ・コントロール	Human kidney, liver, skin and heart for IHC-Fr.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	The antibody was extracted into dilute acidic buffer after mild pepsin digestion.
精製度	IgG fraction
特記事項 (精製)	Pooled antisera are passed over DEAE cellulose to produce IgG enriched fraction, which is further subjected to absorption with immobilized total human serum proteins in order to remove non specific antibodies. Next, the antisera fraction is absorbed with immunobilized collagen types I, II, IV and V to remove cross reactive antibodies to antigenic determinants common for various collagen types. The affinity purified antibody ab24129 is obtained by binding to immobilized native human collagen type III (the antigen used for immunization), followed by elution with acidic buffer, neutralisation, dialysis, dispensing and lyophilization.
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 **ab24129** 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
IHC-Fr		
Dot blot		
ELISA		
追加情報	Dot: Use at an assay dependent dilution. ELISA: Use at an assay dependent dilution. IHC-Fr: Antibodies can be diluted at least 1/20 for immunohistochemical procedures if Peroxidase labeled secondary antibodies are applied. If a FITC labeled secondary antibody is used the antibody can be diluted 1/10. Also recommended for use in immunostaining of cultered human cells. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.	
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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