abcam

Product datasheet

Anti-Collagen III antibody ab23746

3 References

概述

产品名称	Anti-Collagen III抗体
描述	**兔多克隆抗体**to Collagen III
宿主	Rabbit
经测试应用	**适用于:** IHC-P, ICC/IF, ELISA, RIA
种属反应性	**与反应:** Rat
免疫原	Full length native protein (purified from skin) (Rat).
阳性对照	Rat skin or liver.

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.
存储溶液	Preservative: None Constituents: PBS
纯度	IgG fraction
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab23746** in the following tested applications.

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

应用	Ab评论	说明
IHC-P		1/200 - 1/600. Perform enzymatic antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

应用	Ab评论	说明
RIA		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	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.
序列相似性	Belongs to the fibrillar collagen family. Contains 1 fibrillar collagen NC1 domain. Contains 1 VWFC domain.
翻译后修饰	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.
细胞定位	Secreted > extracellular space > extracellular matrix.

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