

Native Human Collagen III protein ab7535

★★★★★ [3 Abreviews](#) [5 References](#) [画像数 2](#)

製品の詳細

製品名	Native Human Collagen III protein
発現系	Native
アクセッション番号	<u>P02461</u>
タンパク質長	Full length protein
Animal free	No
由来	Native
生物種	Human

特性

Our **Abpromise guarantee** covers the use of **ab7535** 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	Western blot
	SDS-PAGE
	Immunoprecipitation
	ELISA
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	Constituent: 3% Acetic acid

関連情報

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.

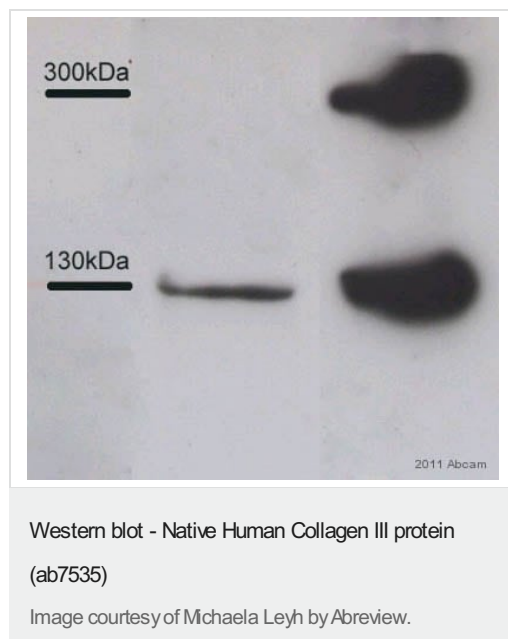
翻訳後修飾

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.

画像



All lanes : Anti-Collagen III antibody [FH-7A] ([ab6310](#)) at 1/500 dilution

Lane 1 : plus ab7535 reduced and denatured

Lane 2 : plus ab7535 native

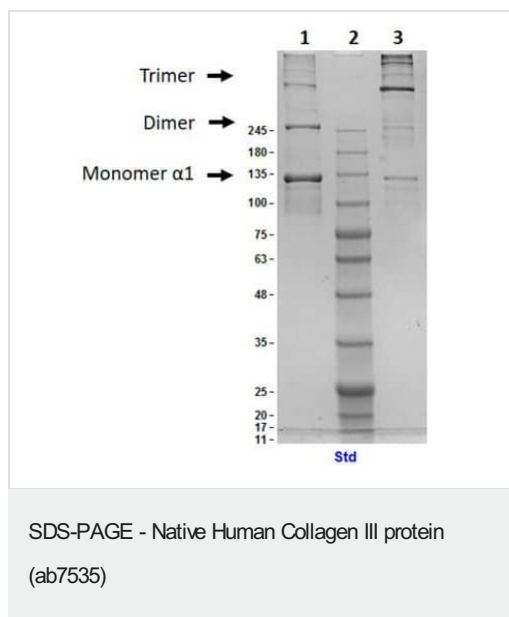
Secondary

All lanes : Goat anti-mouse-HRP at 1/2000 dilution

Predicted band size: 139 kDa

The protein can be used reduced + denatured (band size ~130 kDa) or native (two bands ~ 130kDa and ~300kDa) The native protein gives a brighter signal.

PH of the protein lysate is low - a loading dye with bromphenolblue changes its colour. This does not effect the western blot.



SDS-PAGE analysis of ab7535.

Lane 1: ab7535 Reduced 1 µg.

Lane 2: Pre-stained Molecular Weight Marker.

Lane 3: ab7535 Non-Reduced 1 µg.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors