

### Native Human Fibronectin protein ab81743

画像数 2

#### 製品の詳細

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製品名	Native Human Fibronectin protein
精製度	> 95 % SDS-PAGE. ab81743 is purified from human plasma by column chromatography.
発現系	Native
アクセッション番号	<b><u>P02751</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Native
生物種	Human
予測される分子量	220 kDa
領域	32 to 2386

#### 特性

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Our **Abpromise guarantee** covers the use of **ab81743** 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	SDS-PAGE Western blot
製品の状態	Liquid
備考	Ab81743 can be used as a WB positive control in conjunction with <b>ab6584</b> . ab81743 is suitable to promote the adhesion and propagation of cells in vitro.

#### 前処理および保存

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保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Constituents: 1.58% Tris HCl, 0.87% Sodium chloride
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#### 関連情報

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機能	Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA,
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and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts. Anastellin binds fibronectin and induces fibril formation. This fibronectin polymer, named superfibronectin, exhibits enhanced adhesive properties. Both anastellin and superfibronectin inhibit tumor growth, angiogenesis and metastasis. Anastellin activates p38 MAPK and inhibits lysophospholipid signaling.

**組織特異性**

Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Ugl-Y1, Ugl-Y2 and Ugl-Y3 are found in urine.

**関連疾患**

Glomerulopathy with fibronectin deposits 2

**配列類似性**

Contains 12 fibronectin type-I domains.  
 Contains 2 fibronectin type-II domains.  
 Contains 16 fibronectin type-III domains.

**発生段階**

Ugl-Y1, Ugl-Y2 and Ugl-Y3 are present in the urine from 0 to 17 years of age.

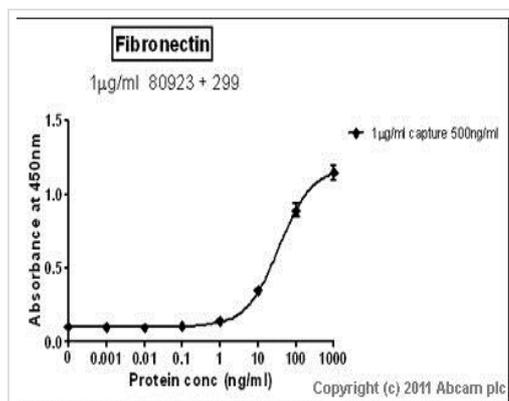
**翻訳後修飾**

Sulfated.  
 It is not known whether both or only one of Thr-2064 and Thr-2065 are/is glycosylated.  
 Forms covalent cross-links mediated by a transglutaminase, such as F13A or TGM2, between a glutamine and the epsilon-amino group of a lysine residue, forming homopolymers and heteropolymers (e.g. fibrinogen-fibronectin, collagen-fibronectin heteropolymers).  
 Phosphorylated by FAM20C in the extracellular medium.  
 Proteolytic processing produces the C-terminal NC1 peptide, anastellin.

**細胞内局在**

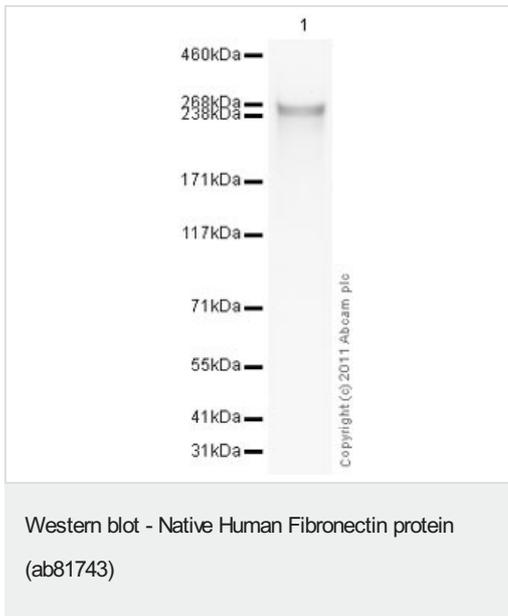
Secreted, extracellular space, extracellular matrix.

**画像**



Standard Curve for Fibronectin (Analyte: **Fibronectin protein (Human) (ab81743)**); dilution range 1pg/ml to 1µg/ml using Capture Antibody **Mouse monoclonal [HFN 7.1] to Fibronectin - BSA and Azide free (ab80923)** at 1µg/ml and Detector Antibody **Rabbit polyclonal to Fibronectin (ab299)** at 0.5µg/ml.

Sandwich ELISA - Native Human Fibronectin protein (ab81743)



Biotin Anti-Fibronectin antibody ([ab6584](#)) at 1 µg/ml + Native Human Fibronectin protein (ab81743) at 0.001 µg

**Secondary**

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Exposure time:** 2 minutes

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

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