

# Biotin Anti-Fibronectin antibody ab6584

[41 References](#) [画像数 3](#)

### 製品の概要

製品名	Biotin Anti-Fibronectin antibody
製品の詳細	Biotin Rabbit polyclonal to Fibronectin
由来種	Rabbit
標識	Biotin
特異性	negligible cross-reactivity with Type I, II, III, IV, V or VI Collagens or Laminin. Non-specific cross reaction of anti-Fibronectin antibodies with other human serum proteins or non-Fibronectin extracellular matrix proteins is negligible.
アプリケーション	<b>適用あり:</b> IHC-P, WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mammals 
免疫原	Full length native protein (purified) corresponding to Human Fibronectin. Purified from human plasma by binding to a denatured gelatin column followed by elution with high concentrations of arginine. The eluted material was further purified by gel filtration. Database link: <a href="#">P02751</a>
特記事項	<p>This antibody is well suited to detect extracellular matrix proteins in normal as well as disease state tissues. Disruption of tissue organization is the hallmark of neoplasia. Malignant lesions can be distinguished from benign by examining the breakdown of basement membranes and loss of 3-dimensional architecture. Malignant cells are presumed to use matrix metalloproteases to degrade barriers created by the extracellular matrix which then allows metastasis to occur. Collagenases, stromelysins and gelatinases can collectively degrade all of the various components of the extracellular matrix, including fibrillar and non-fibrillar collagens and basement membrane glycoproteins.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

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	pH: 6.5 Preservative: 0.01% Sodium azide Constituents: 0.878% Sodium chloride, 1% BSA, 0.424% Tripotassium orthophosphate
精製度	Immunogen affinity purified
特記事項(精製)	This product has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against human serum proteins and collagen and non-collagen extracellular matrix proteins to remove any unwanted specificities. Typically less than 1% cross reactivity against other extracellular matrix proteins was detected by ELISA against purified standards.
一次抗体 備考	This antibody is well suited to detect extracellular matrix proteins in normal as well as disease state tissues. Disruption of tissue organization is the hallmark of neoplasia. Malignant lesions can be distinguished from benign by examining the breakdown of basement membranes and loss of 3-dimensional architecture. Malignant cells are presumed to use matrix metalloproteases to degrade barriers created by the extracellular matrix which then allows metastasis to occur. Collagenases, stomelysins and gelatinases can collectively degrade all of the various components of the extracellular matrix, including fibrillar and non-fibrillar collagens and basement membrane glycoproteins.
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

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 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/200.
WB		1/5000 - 1/10000.

## ターゲット情報

**機能**

Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, 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.

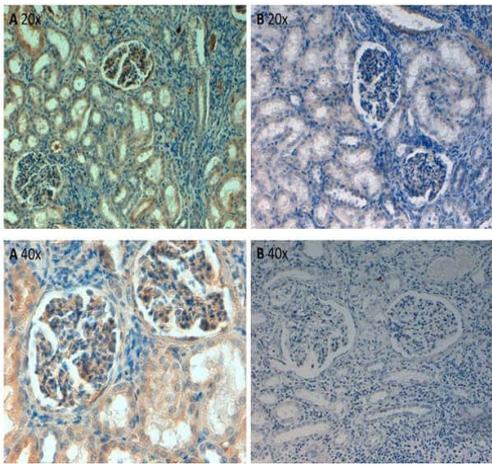
## 細胞内局在

Secreted, extracellular space, extracellular matrix.

## 画像

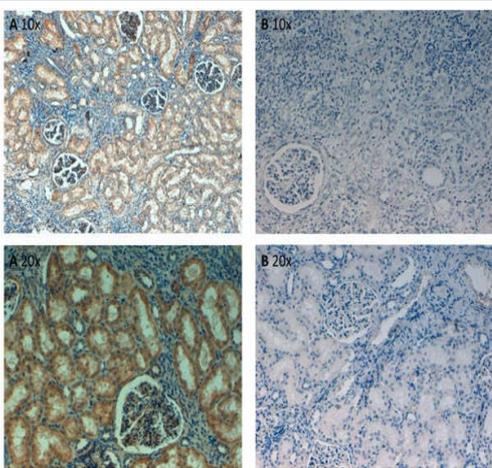


Western blot - Biotin Anti-Fibronectin antibody  
(ab6584)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Biotin Anti-Fibronectin antibody (ab6584)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human kidney tissue sections at pH 6.0, labelling Fibronectin with ab6584 at a concentration of 10 µg/mL for 1 hour at room temperature. The secondary used was a rabbit peroxidase conjugate at a 1/10,000 dilution, incubated for 45 minutes at room temperature. Fibronectin is shown as a brown hue against a purple counterstain labelling nuclear DNA. The negative control on right (B) is without the primary antibody. Magnifications are as shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Biotin Anti-Fibronectin antibody (ab6584)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human kidney tissue sections at pH 9.0, labelling Fibronectin with ab6584 at a concentration of 10 µg/mL for 1 hour at room temperature. The secondary used was a rabbit peroxidase conjugate at a 1/10,000 dilution, incubated for 45 minutes at room temperature. Fibronectin is shown as a brown hue against a purple counterstain labelling nuclear DNA. The negative control on right (B) is without the primary antibody. Magnifications are as shown.

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