


Biotin Anti-Fibronectin antibody ab6584

41 References 3 图像

概述	
产品名称	生物素Anti-Fibronectin抗体
描述	生物素兔多克隆抗体to Fibronectin
宿主	Rabbit
偶联物	Biotin
特异性	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.
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human 预测可用于: 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>
常规说明	<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, 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.</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>

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 6.5 Preservative: 0.01% Sodium azide Constituents: 0.878% Sodium chloride, 1% BSA, 0.424% Tripotassium orthophosphate
纯度	Immunogen affinity purified
纯化说明	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.
Primary antibody说明	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.
克隆	多克隆
同种型	IgG

## 应用

**The Abpromise guarantee** Abpromise™承诺保证使用ab6584于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/50 - 1/200.
WB		1/5000 - 1/10000.

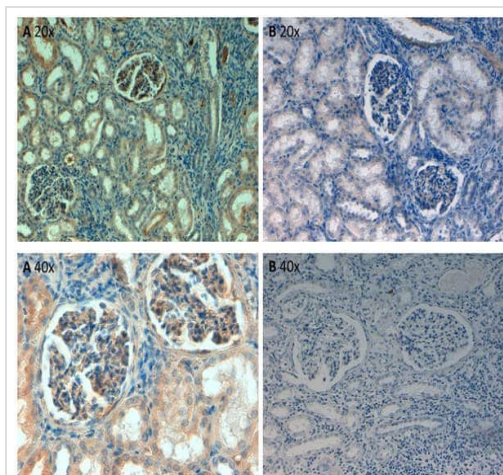
## 靶标

功能	<p>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.</p> <p>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.</p>
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组织特异性	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.
疾病相关	Glomerulopathy with fibronectin deposits 2
序列相似性	Contains 12 fibronectin type-I domains. Contains 2 fibronectin type-II domains. Contains 16 fibronectin type-III domains.
发展阶段	Ugl-Y1, Ugl-Y2 and Ugl-Y3 are present in the urine from 0 to 17 years of age.
翻译后修饰	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.
细胞定位	Secreted, extracellular space, extracellular matrix.

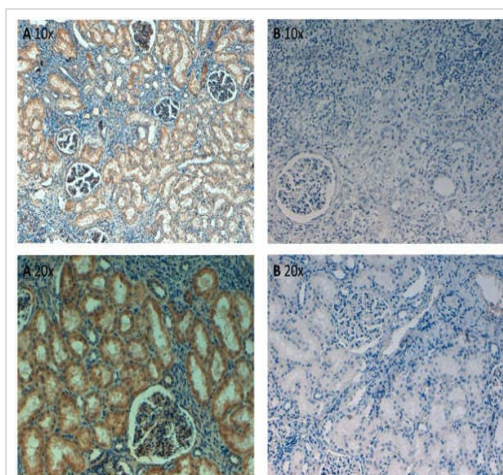
图片





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.

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

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