

Anti-Fibronectin antibody [F1] ab32419

重组 RabMAb

★★★★★ [7 Abreviews](#) [105 References](#) [7 图像](#)

概述

产品名称	Anti-Fibronectin抗体[F1]
描述	兔单克隆抗体[F1] to Fibronectin
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant full length protein within Human Fibronectin aa 1-2400. The exact sequence is proprietary. Database link: P02751
阳性对照	WB: Human serum and plasma. SK-OV-3 and HepG2 cell lysate. IHC-P: Human breast carcinoma tissue. ICC/IF: HepG2 and human mesenchymal stem cells. Flow Cyt (intra): HepG2 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA

纯度	Protein A purified
克隆	单克隆
克隆编号	F1
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab32419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
Flow Cyt (Intra)		1/20.
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 263 kDa.
IHC-P	★★★★★ (2)	1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	1/150.

靶标

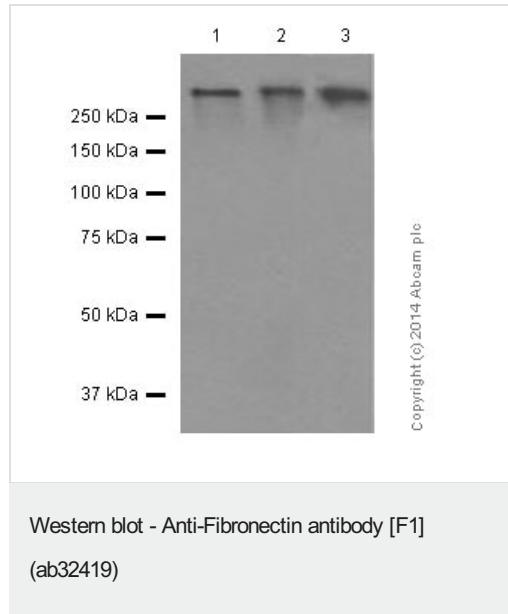
功能	<p>Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis 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>
组织特异性	<p>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.</p>
疾病相关	<p>Glomerulopathy with fibronectin deposits 2</p>
序列相似性	<p>Contains 12 fibronectin type-I domains.</p> <p>Contains 2 fibronectin type-II domains.</p> <p>Contains 16 fibronectin type-III domains.</p>
发展阶段	<p>Ugl-Y1, Ugl-Y2 and Ugl-Y3 are present in the urine from 0 to 17 years of age.</p>
翻译后修饰	<p>Sulfated.</p> <p>It is not known whether both or only one of Thr-2064 and Thr-2065 are/is glycosylated.</p> <p>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).</p> <p>Phosphorylated by FAM20C in the extracellular medium.</p>

Proteolytic processing produces the C-terminal NC1 peptide, anastellin.

细胞定位

Secreted, extracellular space, extracellular matrix.

图片



All lanes : Anti-Fibronectin antibody [F1] (ab32419) at 1/5000 dilution (purified)

Lane 1 : Human serum

Lane 2 : Human plasma

Lane 3 : SK-OV-3 (Human ovarian cancer cell line) cell lysate

Lysates/proteins at 20 µg per lane.

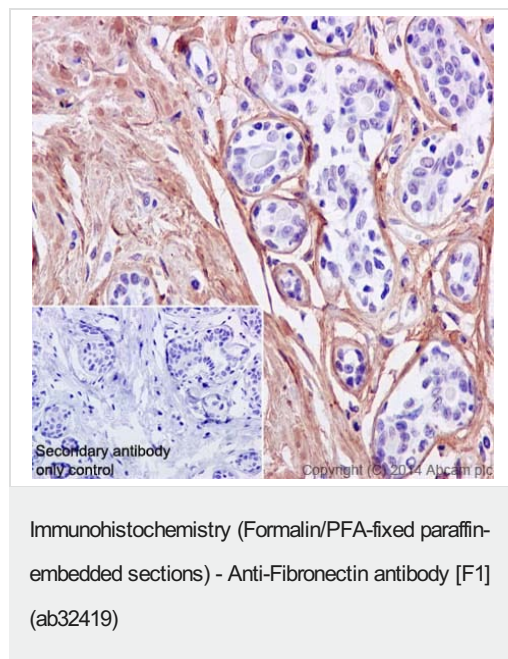
Secondary

All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

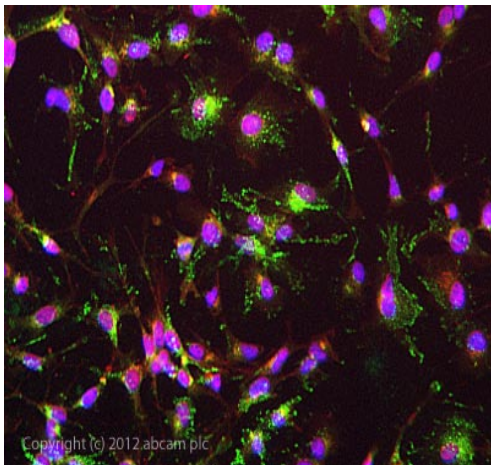
Predicted band size: 263 kDa

Observed band size: 263 kDa

Blocking/Dilution buffer: 5% NFDM/TBST



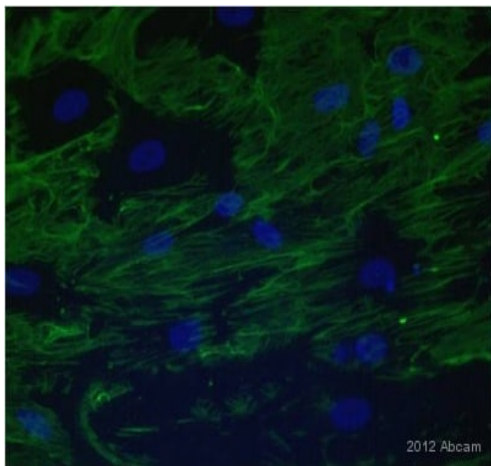
Immunohistochemical staining of paraffin embedded human breast carcinoma with purified ab32419 at a dilution of 1/250. The secondary antibody used is **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L), at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Immunocytochemistry/ Immunofluorescence - Anti-Fibronectin antibody [F1] (ab32419)

ICC/IF image of unpurified ab32419 stained HepG2 (Human liver hepatocellular carcinoma cell line) cells. The cells were fixed in 4% formaldehyde (10 minutes) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1 hour to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab32419 at 1/100 dilution overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit ([ab96899](#)) IgG (H+L) used at a 1/1000 dilution for 1 hour. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1 hour. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.

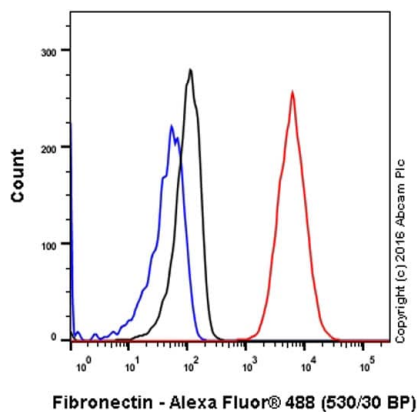
Alexa Fluor® 488 ([ab198933](#)) and Alexa Fluor® 647 ([ab198934](#)) conjugated versions are available for this clone.



Immunocytochemistry/ Immunofluorescence - Anti-Fibronectin antibody [F1] (ab32419)

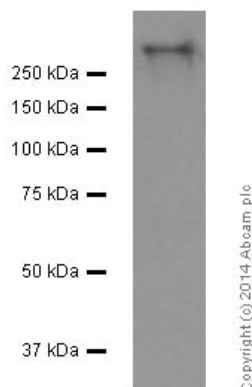
This image is courtesy of an anonymous abreview.

ICC/IF image of unpurified ab32419 stained human mesenchymal stem cells. The cells were fixed in paraformaldehyde and then incubated in 0.1%BSA / 1% goat serum for 30 minutes, to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab32419, 1/100 dilution) for 2 hours at 22°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG. DAPI was used to stain the cell nuclei (blue).



Flow Cytometry (Intracellular) - Anti-Fibronectin antibody [F1] (ab32419)

Intracellular Flow Cytometry analysis of HepG2 (Human liver hepatocellular carcinoma cell line) cells labeling Fibronectin with purified ab32419 at 1/20 dilution (10µg/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor®488) at 1/2000 dilution was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.



Western blot - Anti-Fibronectin antibody [F1] (ab32419)

Anti-Fibronectin antibody [F1] (ab32419) at 1/1000 dilution (purified) + HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate at 20 µg

Secondary


HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 263 kDa


Observed band size: 263 kDa

Blocking/Dilution buffer: 5% NFDM/TBST


Why choose a recombinant antibody?




Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Fibronectin antibody [F1] (ab32419)

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

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