

Anti-Fibronectin antibody ab299

★★★★★ [2 Abreviews](#) [21 References](#) [2 图像](#)

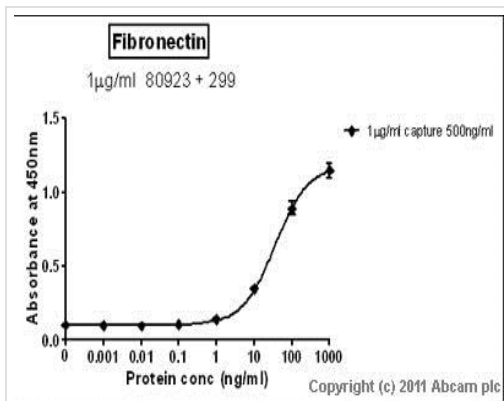
概述

| | |
|-------|---|
| 产品名称 | Anti-Fibronectin抗体 |
| 描述 | 兔多克隆抗体to Fibronectin |
| 宿主 | Rabbit |
| 特异性 | This antibody reacts with human Fibronectin and has negligible cross-reactivity with Type I, II, III, IV, V or VI Collagens or Laminin. Minimum Cross Reactivity to collagens and non-collagen extracellular matrix proteins. |
| 经测试应用 | 适用于: ICC/IF, Sandwich ELISA |
| 种属反应性 | 与反应: Human |
| 免疫原 | Full length native protein (purified) corresponding to Human Fibronectin. Fibronectin was 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 |
| 常规说明 | <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&As</p> |

性能

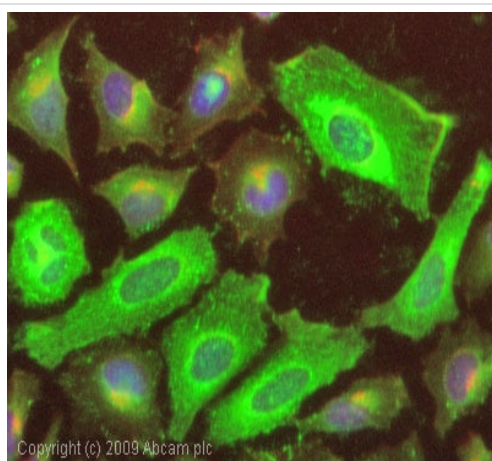
| | |
|------|--|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: 0.01% Sodium azide Constituents: 0.87% Sodium chloride, 0.42% Potassium phosphate |
| 纯度 | Immunogen affinity purified |
| 纯化说明 | 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. This product has been sterile filtered. |
| 克隆 | 多克隆 |

| | | |
|---|---|--|
| 同种型 | IgG | |
| 应用 | | |
| The Abpromise guarantee Abpromise™ 承诺保证使用ab299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 |
| ICC/IF | | Use a concentration of 1 µg/ml. |
| Sandwich ELISA | | Use a concentration of 0.5 µg/ml. For sandwich ELISA, use this antibody as Detection at 0.5 µg/ml with Mouse monoclonal [HFN 7.1] to Fibronectin - BSA and Azide free (ab80923) as Capture. |
| 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> <p>Proteolytic processing produces the C-terminal NC1 peptide, anastellin.</p> | |
| 细胞定位 | <p>Secreted, extracellular space, extracellular matrix.</p> | |
| 图片 | | |



Sandwich ELISA - Anti-Fibronectin antibody (ab299)

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.



Immunocytochemistry/ Immunofluorescence - Anti-Fibronectin antibody (ab299)

ICC/IF image of ab299 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab299, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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