

PE Anti-Fibronectin antibody [F14] ab246737

重组 RabMAb

2 图像

概述

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|-------|---|
| 产品名称 | PE Anti-Fibronectin抗体[F14] |
| 描述 | PE兔单克隆抗体[F14] to Fibronectin |
| 宿主 | Rabbit |
| 偶联物 | PE. Ex: 488nm, Em: 575nm |
| 经测试应用 | 适用于: Flow Cyt (Intra) |
| 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 | Flow Cyt (intra): HepG2 cells. |
| 常规说明 | This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . |

性能

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|------|--|
| 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 +4°C. Store In the Dark. |
| 存储溶液 | pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 1% BSA, PBS |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |

克隆编号 F14
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab246737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) | | 1/5000. |

靶标

功能 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.

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

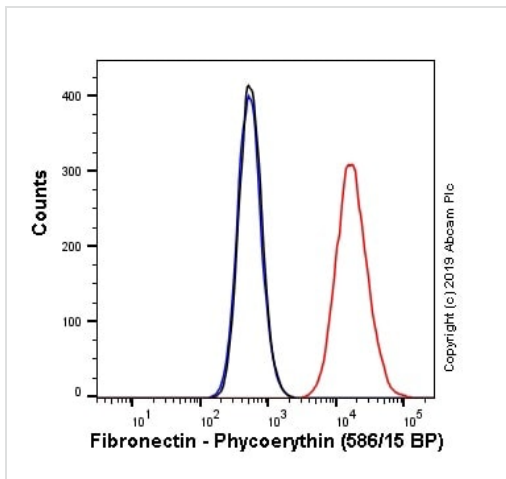
序列相似性 Contains 12 fibronectin type-I domains.
Contains 2 fibronectin type-II domains.
Contains 16 fibronectin type-III domains.

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



Flow Cytometry (Intracellular) - PE Anti-Fibronectin antibody [F14] (ab246737)





Overlay histogram showing HepG2 cells stained with ab246737 (red line). The cells were fixed with 4 % formaldehyde (10 min) and then permeabilized with 0.1 % PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10 % normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab246737) (1×10^6 in $100 \mu\text{l}$ at $0.1 \mu\text{g/ml}$ (1/5000)) for 30 min at 22°C .

Isotype control antibody (black line) was Rabbit IgG (monoclonal) Alexa Fluor[®] 647 (**ab199093**) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 40 mW Red laser (640nm) and 670/14 bandpass filter.

This antibody gave a positive signal in HepG2 cells fixed with 80 % methanol (5 min) / permeabilized with 0.1 % PBS-Triton X-100 for 15 min used under the same conditions.

Why choose a recombinant antibody?

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|--|--|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

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

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