

Alexa Fluor® 647 Anti-Neuropilin 1 antibody [EPR3113] ab198323

重组 RabMAb

1 References [3 图像](#)

概述

| | |
|-------|--|
| 产品名称 | Alexa Fluor® 647 荧光 Anti-Neuropilin 1 抗体[EPR3113] |
| 描述 | Alexa Fluor® 647 荧光 兔单克隆抗体[EPR3113] to Neuropilin 1 |
| 宿主 | Rabbit |
| 偶联物 | Alexa Fluor® 647. Ex: 652nm, Em: 668nm |
| 经测试应用 | 适用于: ICC/IF, Flow Cyt (Intra) |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab189308) |
| 阳性对照 | ICC/IF: HeLa cells. 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

| | |
|------|--|
| 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. Store In the Dark. |
| 存储溶液 | pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |

克隆编号 EPR3113
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab198323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 | | 1/100. |
| Flow Cyt (Intra) | | 1/50. ab199093 - Rabbit monoclonal IgG (Alexa Fluor® 647), is suitable for use as an isotype control with this antibody. |

靶标

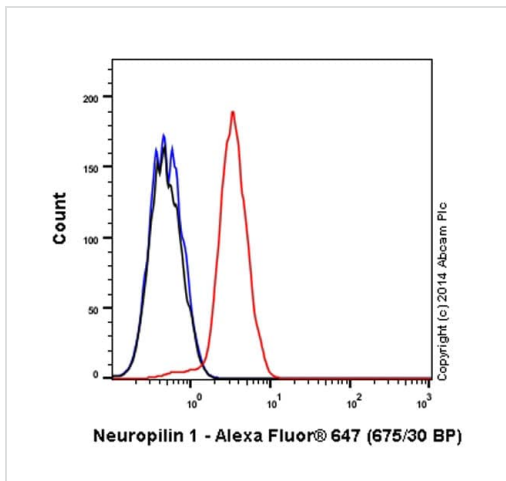
功能 The membrane-bound isoform 1 is a receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. It mediates the chemorepulsant activity of semaphorins. It binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF-165 isoform of VEGF and VEGF-B. Coexpression with KDR results in increased VEGF-165 binding to KDR as well as increased chemotaxis. It may regulate VEGF-induced angiogenesis.
The soluble isoform 2 binds VEGF-165 and appears to inhibit its binding to cells. It may also induce apoptosis by sequestering VEGF-165. May bind as well various members of the semaphorin family. Its expression has an averse effect on blood vessel number and integrity.

组织特异性 The expression of isoforms 1 and 2 does not seem to overlap. Isoform 1 is expressed by the blood vessels of different tissues. In the developing embryo it is found predominantly in the nervous system. In adult tissues, it is highly expressed in heart and placenta; moderately in lung, liver, skeletal muscle, kidney and pancreas; and low in adult brain. Isoform 2 is found in liver hepatocytes, kidney distal and proximal tubules.

序列相似性 Belongs to the neuropilin family.
Contains 2 CUB domains.
Contains 2 F5/8 type C domains.
Contains 1 MAM domain.

细胞定位 Secreted and Cell membrane.

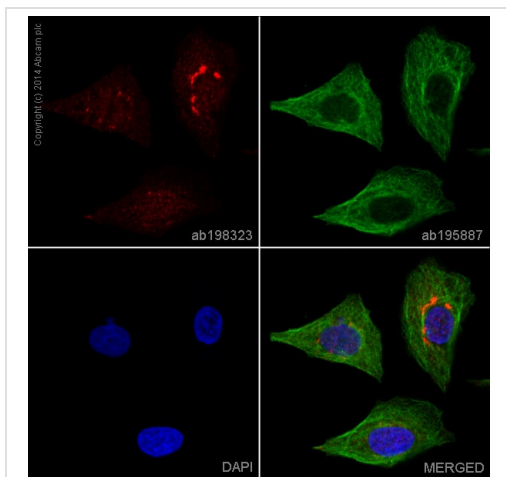
图片



Flow Cytometry (Intracellular) - Alexa Fluor® 647
Anti-Neuropilin 1 antibody [EPR3113] (ab198323)

Overlay histogram showing HepG2 cells stained with ab198323 (red line). The cells were fixed with 4% formaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab198323, 1/50 dilution) for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) Alexa Fluor® 647 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 solid-state 25mW red diode laser (635 nm) and 675/30 bandpass filter.



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Neuropilin 1 antibody [EPR3113] (ab198323)

ab198323 staining Neuropilin 1 in HeLa cells. The cells were fixed with 4% formaldehyde (10 min), permeabilised in 0.1% Triton X-100 for 5 minutes and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab198323 at 1/100 dilution (shown in red) and **ab195887**, Mouse monoclonal [DM1A] to alpha Tubulin (Alexa Fluor® 488, shown in green) at 1/167 dilution overnight at +4°C. Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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

Alexa Fluor® 647 Anti-Neuropilin 1 antibody
[EPR3113] (ab198323)

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

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