

Anti-PLGF antibody - N-terminal ab9542

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

概述

| | |
|-------|---|
| 产品名称 | Anti-PLGF抗体- N-terminal |
| 描述 | 兔多克隆抗体to PLGF - N-terminal |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB, ICC/IF |
| 种属反应性 | 与反应: Human, Recombinant fragment |
| 免疫原 | Synthetic peptide corresponding to Human PLGF (N terminal). Highly purified N-terminal 20 aa synthetic peptide (Human). Database link: P49763 |
| 常规说明 | <p>According to Swissprot P49763; PLGF exists in three isoforms PLGF 1, 2 and 3. The N-terminal immunogen sequence of ab9542 is present in all isoforms so extra bands might be observed near the band of interest.</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&As</p> |

性能

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|------|--|
| 形式 | Lyophilized:Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Constituent: PBS |
| 纯度 | Protein A purified |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab9542于以下的经测试应用

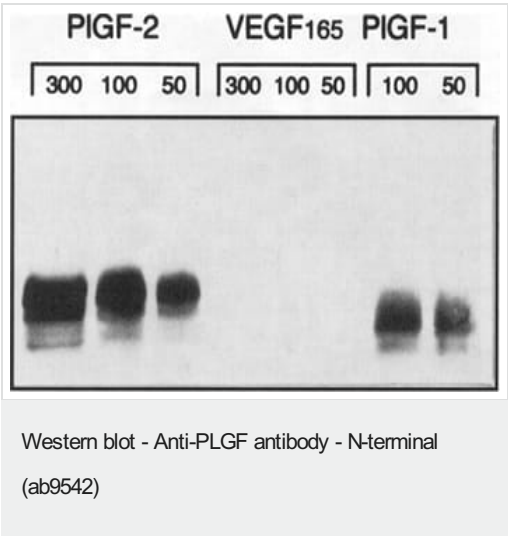
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|--------|-----------|--|
| WB | ★★★★★ (1) | Use a concentration of 1 - 4 µg/ml. It will detect 25 - 50 ng/lane of recombinant human PLGF-1 (17-18 kDa) and PLGF-2 (22-23 kDa) under reducing conditions. Dimers are detected at higher protein amounts/lane. |
| ICC/IF | | Use a concentration of 1 µg/ml. |

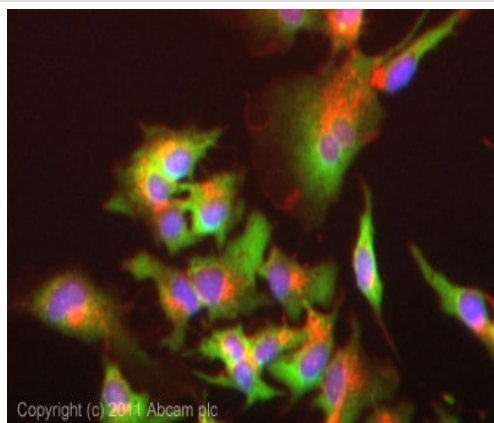
靶标

| | |
|-------|---|
| 功能 | Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. |
| 组织特异性 | While the three isoforms are present in most placental tissues, PIGF-2 is specific to early (8 week) placenta and only PIGF-1 is found in the colon and mammary carcinomas. |
| 序列相似性 | Belongs to the PDGF/VEGF growth factor family. |
| 结构域 | Isoform PIGF-2 contains a basic insert which acts as a cell retention signal. |
| 翻译后修饰 | N-glycosylated. |
| 细胞定位 | Secreted. The three isoforms are secreted but PIGF-2 appears to remain cell attached unless released by heparin. |

图片



Western blot of chromatography purified, recombinant PLGF-1/-2 and VEGF165 immobilized to PVDF-membrane.
PIGF antibody shows no cross-reactivity to VEGF165.



Immunocytochemistry/ Immunofluorescence - Anti-PLGF antibody - N-terminal (ab9542)

ICC/IF image of ab9542 stained HepG2 (human liver hepatocellular carcinoma cell line) cells. The cells were fixed in 4% formaldehyde for 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 (ab9542, 1 µg/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 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.

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

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