

Anti-Angiopoietin 2/ANG2 antibody ab8452

★★★★☆ 4 Abreviews 35 References 2 图像

概述

产品名称	Anti-Angiopoietin 2/ANG2抗体
描述	兔多克隆抗体to Angiopoietin 2/ANG2
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab8452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
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	1/200.
WB	★★★★★ (2)	1/500. There is reaction with serum in the cell supernatants, which results in strong background and makes it difficult to see the angiopoietins in cell supernatants. However when precipitated (using soluble Tie2) the signals are very good and strong.

靶标

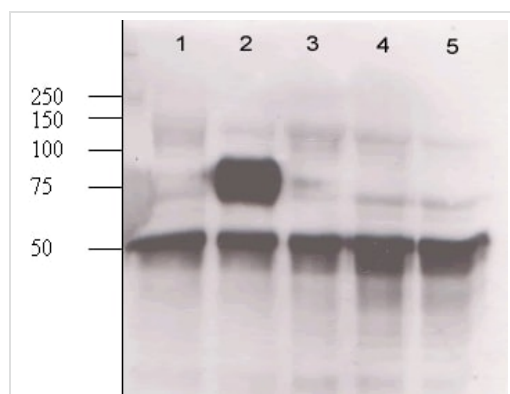
功能 Can induce tyrosine phosphorylation of TIE2. Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.

序列相似性 Contains 1 fibrinogen C-terminal domain.

结构域 The Fibrinogen C-terminal domain mediates interaction with the TEK/TIE2 receptor.

细胞定位 Secreted.

图片



Supernatants of mouse angiopoietin-expressing endothelial cells. Soluble Tie 2 was used to precipitate the angiopoietins to reduce background.

Lane 1 - mock

Lane 2 - mouse angiopoietin-2 (clone 2-9) expressing cells

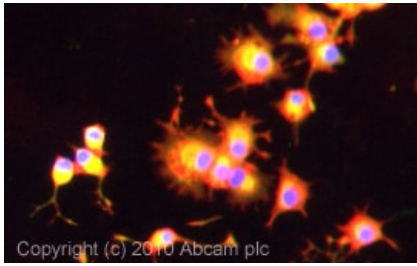
Lane 3 - mouse angiopoietin-1 (clone 1-15) expressing cells

Lane 4 - mouse angiopoietin-1 (clone 1-8) expressing cells

Lane 5 - wt

Western blot - Anti-Angiopoietin 2/ANG2 antibody (ab8452)

This image is courtesy of Marion Scharpfenecker 2002



Immunocytochemistry/ Immunofluorescence - Anti-Angiopoietin 2/ANG2 antibody (ab8452)

ICC/IF image of ab8452 stained PC12 cells. The cells were 100% methanol fixed (5 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 (ab8452, 1/200 dilution) 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.

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

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