

Anti-Angiopoietin 2/ANG2 antibody ab8452

★★★★☆ **4 Abreviews** **35 References** 画像数 **2**

製品の概要

製品名	Anti-Angiopoietin 2/ANG2 antibody
製品の詳細	Rabbit polyclonal to Angiopoietin 2/ANG2
由来種	Rabbit
アプリケーション	適用あり: IHC-P, ICC/IF, WB
種交差性	交差種: Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
精製度	Whole antiserum
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

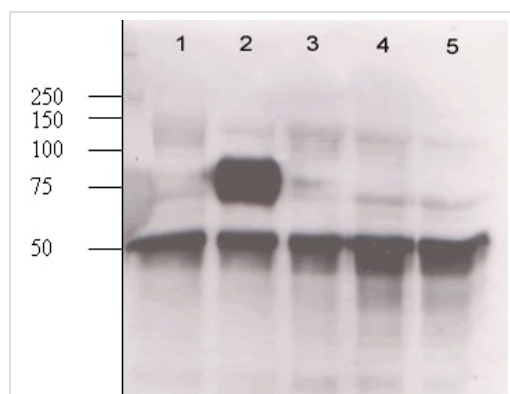
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab8452の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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.
配列類似性	Contains 1 fibrinogen C-terminal domain.
ドメイン	The Fibrinogen C-terminal domain mediates interaction with the TEK/TIE2 receptor.
細胞内局在	Secreted.

画像



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

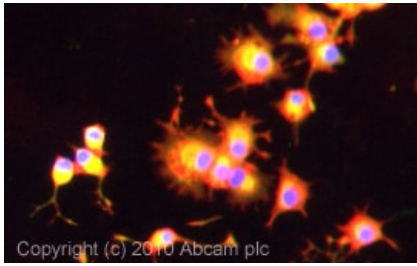
Lane 3 - mouse angiopoietin-1 (clone 1-15) expressing cells

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.

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