

Anti-Angiopoietin 2/ANG2 antibody [MM0020-1F29] ab56301

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製品の概要

製品名	Anti-Angiopoietin 2/ANG2 antibody [MM0020-1F29]
製品の詳細	Mouse monoclonal [MM0020-1F29] to Angiopoietin 2/ANG2
由来種	Mouse
特異性	This antibody recognizes Angiopoietin 2/ANG2 in western blot without cross reactivity with Angiopoietin 1.
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Human
免疫原	Recombinant full length protein corresponding to Human Angiopoietin 2/ANG2.
ポジティブ・コントロール	Human endothelial cell lysate.
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. Avoid freeze / thaw cycles.
バッファー	Constituent: PBS
精製度	Protein G purified
特記事項(精製)	The IgG fraction of the tissue culture supernatant was purified and then lyophilized from 0.2 µm filtered PBS solution.
ポリ/モノ	モノクローナル
クローン名	MM0020-1F29
アイソタイプ	IgG2

アプリケーション

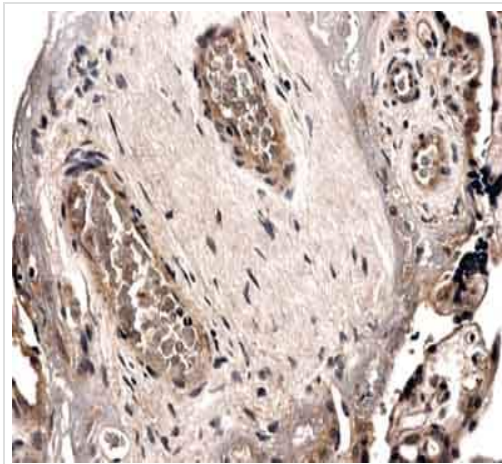
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/100 - 1/200.
WB		1/400 - 1/1000. Detects a band of approximately 54 kDa (predicted molecular weight: 57 kDa).

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



ab56301 at 1/200 dilution, staining Angiopoietin 2/ANG2 in human placental tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Angiopoietin 2/ANG2 antibody [MM0020-1F29] (ab56301)



Western blot - Anti-Angiopoietin 2/ANG2 antibody [MM0020-1F29] (ab56301)

Anti-Angiopoietin 2/ANG2 antibody [MM0020-1F29] (ab56301) at 1 µg/ml + Human liver tissue lysate - total protein (**ab29889**) at 10 µg

Secondary

Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 57 kDa

Observed band size: 52 kDa

Additional bands at: 47 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes

The band observed at 52 kDa could potentially be a cleaved form of Angiopoietin 2/ANG2 due to the presence of an 18 amino acid signal peptide.

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