

Anti-Neuropilin 1 antibody ab25998

★★★★★ **1 Abreviews** **14 References** 画像数 3

製品の概要

製品名	Anti-Neuropilin 1 antibody
製品の詳細	Rabbit polyclonal to Neuropilin 1
由来種	Rabbit
特異性	ab25998 is specific for Neuropilin 1. Immunogen sequence has low homology to Neuropilin 2.
アプリケーション	適用あり: ICC/IF, IHC-P, WB
種交差性	交差種: Human, African green monkey
免疫原	Synthetic peptide, coupled to carrier protein, corresponding to amino acids within the N-terminal CUB domain of human Neuropilin 1. This sequence is highly conserved in rat and mouse Neuropilin 1.
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	Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 0.1% BSA
精製度	Immunogen affinity purified
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ab25998の使用に適用されます

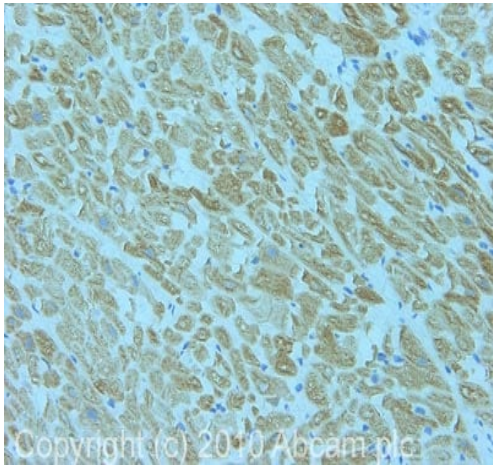
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/200.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 102 kDa.

ターゲット情報

機能	<p>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.</p> <p>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.</p>
組織特異性	<p>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.</p>
配列類似性	<p>Belongs to the neuropilin family.</p> <p>Contains 2 CUB domains.</p> <p>Contains 2 F5/8 type C domains.</p> <p>Contains 1 MAM domain.</p>
細胞内局在	<p>Secreted and Cell membrane.</p>

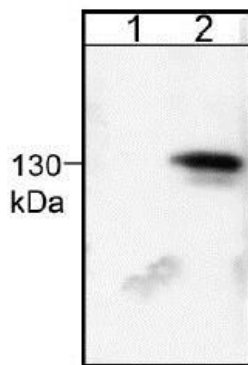
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neuropilin 1 antibody (ab25998)

IHC image of ab25998 staining in human heart formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab25998, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



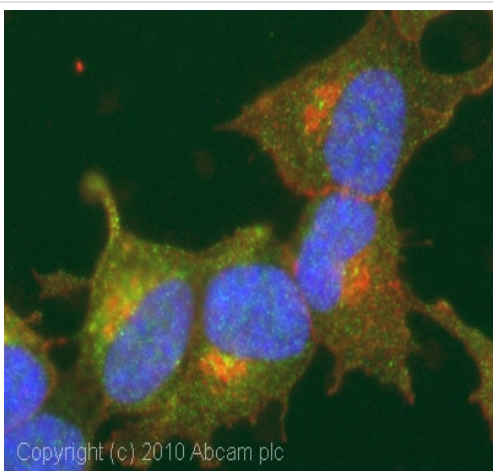
Western blot - Anti-Neuropilin 1 antibody (ab25998)

All lanes : Anti-Neuropilin 1 antibody (ab25998) at 1/500 dilution

Lane 1 : Untransfected COS-7 cells

Lane 2 : COS-7 cells transfected with HA-tagged Neuropilin 1

Predicted band size: 102 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Neuropilin 1 antibody (ab25998)

ICC/IF image of ab25998 stained SHSY5Y cells. The cells were 4% formaldehyde fixed (10 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 (ab25998, 5µg/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 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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