

Anti-NCAM1 antibody [RNL-1] ab9018

★★★★☆ [4 Abreviews](#) [28 References](#) [画像数 3](#)

製品の概要

製品名	Anti-NCAM1 antibody [RNL-1]
製品の詳細	Mouse monoclonal [RNL-1] to NCAM1
由来種	Mouse
特異性	Neural cell adhesion molecule (NCAM). ab9018 reacts with three isoforms of NCAM: NCAM-120, NCAM-140, and NCAM-180.
アプリケーション	適用あり: ICC, IHC-FoFr 適用なし: Flow Cyt
種交差性	交差種: Rat, Human
免疫原	Tissue, cells or virus corresponding to Human NCAM1. This antibody was raised against the small cell lung cancer cell line NCI-H82. Database link: P13591
ポジティブ・コントロール	IHC-P: Mouse brain tissue. IHC-Fr: Rat brain tissue. ICC/IF: Adult-derived human liver stem cells and hepatic stellate cells.
特記事項	<p>Punctuate cytoplasmic staining is observed with ab9018. Some staining of red blood cells observed.</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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.09% Sodium azide Constituent: PBS
精製度	Protein G purified

ポリクローナル	モノクローナル
クローン名	RNL-1
ミエローマ	Sp2/0-Ag14
アイソタイプ	IgG1

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ab9018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。

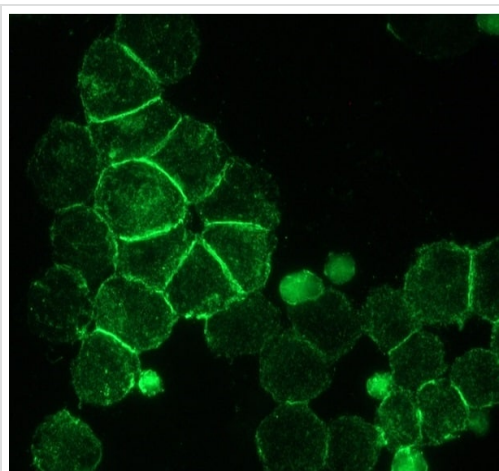
アプリケーション	Abreviews	特記事項
ICC	★★★★★ (1)	1/100 - 1/200.
IHC-FoFr		1/100 - 1/200.

追加情報 Is unsuitable for Flow Cyt.

ターゲット情報

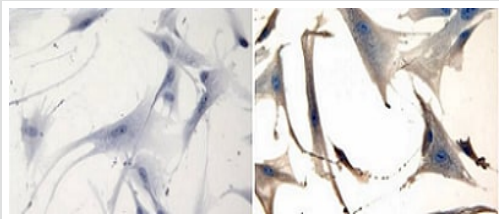
機能	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
配列類似性	Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
細胞内局在	Secreted and Cell membrane.

画像



Immunohistochemistry of H82 cells, showing staining for NCAM1 using ab9018 (1/500).

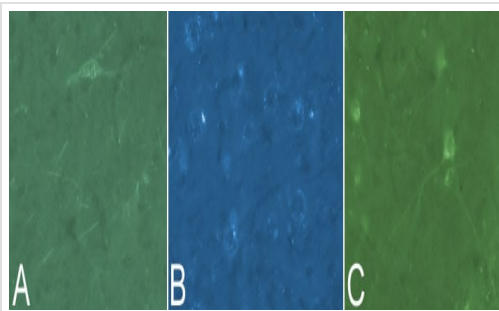
Immunocytochemistry - Anti-NCAM1 antibody [RNL-1] (ab9018)



Immunocytochemistry - Anti-NCAM1 antibody [RNL-1] (ab9018)

Image cropped from Berardis et al., Public Library of Science One, 1, e86137, Fig. 3a.; DOI: 10.1371/journal.pone.0086137 Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

Immunocytochemical analysis of Adult-Derived Human Liver Stem Cells (ADHLSC) in the left image and Hepatic Stellate Cells (HSC) in the right image. ab9018 was used to label NCAM, which is expressed in the HSC. Cells were fixed in 3.5% paraformaldehyde for 15 minutes at room temperature. Blocking was with 3.3% hydrogen peroxide for 3 minutes. Permeabilization with D-PBS and 1% Triton X-100 for 10 minutes. Cells incubated with ab9018 at 1/100 for 1 hour. DAB staining. Counterstaining with Mayer's hematoxylin.



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-NCAM1 antibody [RNL-1] (ab9018)

ab9018 at a dilution of 1/500, staining NCAM (Alexa 488 secondary at 1/2000) on rat brain tissue (30µm thick coronal sections) in free floating IHC (see protocol link for detailed description). Images showing neuron body and processes: [A] 40x objective and [B] punctate cytoplasmic staining; 20x objective and [C] neuron + processes; x20 objective. No labeling observed following omission of primary antibody. Images coloured in Photoshop.

NB: We recommend indirect amplification of immunofluorescence for ab9018

Sections were viewed using an Axioplan 2 Imaging microscope (Imaging Associates) fitted with 10x, 20x and 40x Plan-Neofluorobjectives (Zeiss, Germany) and images were taken using a AxioCam Hrm digital camera (Zeiss, Germany) and AxioVision software (Imaging Associates).

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