

Anti-NCAM1 antibody [RNL-1] ab9018

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

概述

产品名称	Anti-NCAM1抗体[RNL-1]
描述	小鼠单克隆抗体[RNL-1] to NCAM1
宿主	Mouse
特异性	Neural cell adhesion molecule (NCAM). ab9018 reacts with three isoforms of NCAM: NCAM-120, NCAM-140, and NCAM-180.
经测试应用	适用于: ICC, IHC-FoFr 不适用于: Flow Cyt
种属反应性	与反应: 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
阳性对照	IHC-P: Mouse brain tissue. IHC-Fr: Rat brain tissue. ICC/IF: Adult-derived human liver stem cells and hepatic stellate cells.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Protein G purified

克隆	单克隆
克隆编号	RNL-1
骨髓瘤	Sp2/0-Ag14
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab9018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。

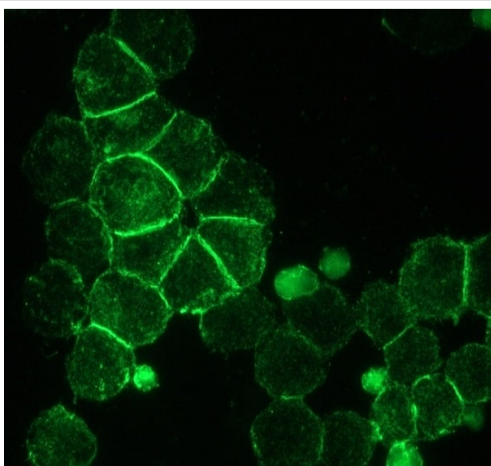
应用	Ab评论	说明
ICC	★★★★☆ (1)	1/100 - 1/200.
IHC-FoFr		1/100 - 1/200.

应用说明 Is unsuitable for Flow Cyt.

靶标

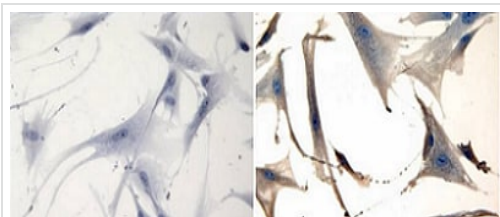
功能	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
序列相似性	Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
细胞定位	Secreted and Cell membrane.

图片



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

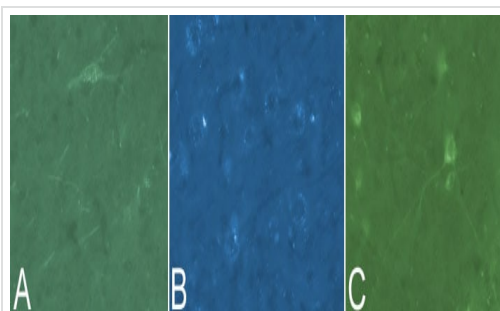
Immunohistochemistry of H82 cells, showing staining for NCAM1 using ab9018 (1/500).



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).

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors