

HRP Anti-Nestin antibody [Rat-401] ab196694

2 图像

概述

产品名称	HRP Anti-Nestin抗体[Rat-401]
描述	HRP小鼠单克隆抗体[Rat-401] to Nestin
宿主	Mouse
偶联物	HRP
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat
免疫原	Tissue, cells or virus corresponding to Rat Nestin. Homogenized spinal cord tissue from embryonic day 15 (E15) rats.
阳性对照	WB: MEF1 whole cell lysate. IHC-P: FFPE rat 6 week brain (SVZ) tissue sections.
常规说明	<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. Store In the Dark.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.1% Proclin 300 Solution</p> <p>Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS</p>
纯度	Affinity purified
克隆	单克隆
克隆编号	Rat-401
骨髓瘤	NS1
同种型	IgG1

kappa

The Abpromise guarantee

“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
WB		1/2000. Detects a band of approximately 170 kDa (predicted molecular weight: 177 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

功能

Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells.

组织特异性

CNS stem cells.

序列相似性

Belongs to the intermediate filament family.

发展阶段

Upon terminal neural differentiation, nestin is down-regulated and replaced by neurofilaments.

翻译后修饰

Constitutively phosphorylated. This increases during mitosis when the cytoplasmic intermediate filament network is reorganized.

图片



HRP Anti-Nestin antibody [Rat-401] (ab196694) at 1/2000 dilution +
MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate at
10 µg

Developed using the ECL technique.

Performed under reducing conditions.

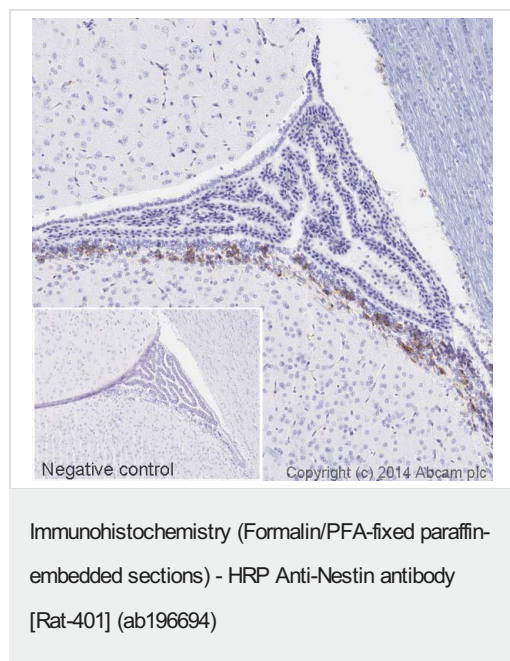
Predicted band size: 177 kDa

Observed band size: 170 kDa

Western blot - HRP Anti-Nestin antibody [Rat-401]
(ab196694)

Exposure time: 20 minutes

This blot was produced using a 3-8% Tris Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab196694 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



IHC image of Nestin staining in a section of formalin-fixed paraffin-embedded rat 6 week brain (SVZ), performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab196694, 1/50 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

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.

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

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