

Anti-NeuN antibody [1B7] - Neuronal Marker ab104224

★★★★★ [27 Abreviews](#) [483 References](#) [7 图像](#)

概述

产品名称	Anti-NeuN抗体[1B7] - Neuronal Marker
描述	小鼠单克隆抗体[1B7] to NeuN - Neuronal Marker
宿主	Mouse
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human NeuN aa 1-100 (N terminal). Expressed in and purified from E. coli. Database link: A6NFN3
阳性对照	IHC-P: Rat brain tissue. Mouse cerebellum tissue. Human hippocampus tissue. ICC: Rat brain neural cultures. Primary mouse neurons/glia, DIV14 cells. WB: Adult mouse and rat whole brain lysate.
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>

 [Run BLAST with](#)

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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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.03% Sodium azide Constituents: PBS, 50% Glycerol
纯度	Protein A purified
克隆	单克隆
克隆编号	1B7
同种型	IgG2b

kappa

Abpromise™ 承诺保证使用ab104224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
IHC-P	★★★★★ (12)	Use a concentration of 5 µg/ml.
WB	★★★★★ (2)	1/1000 - 1/2000. Predicted molecular weight: 46, 48 kDa.
ICC/IF	★★★★★ (4)	Use a concentration of 1 µg/ml.

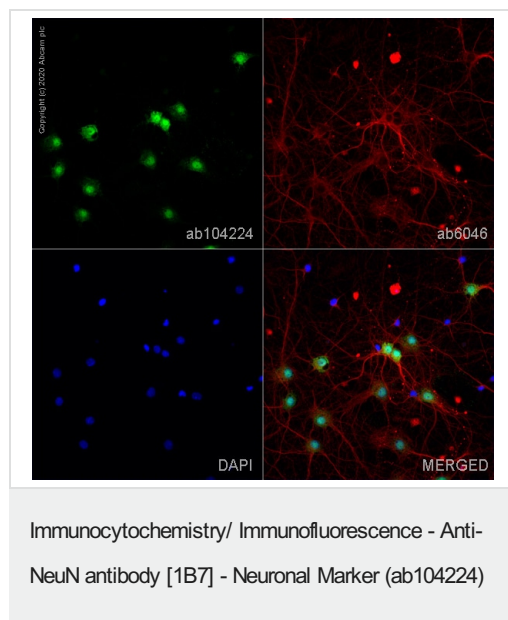
靶标

功能	RNA-binding protein that regulates alternative splicing events.
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序列相似性 Contains 1 RRM (RNA recognition motif) domain.

细胞定位 Nucleus. Cytoplasm.

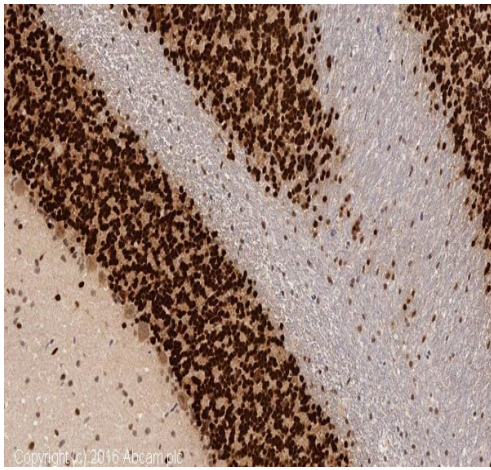
图片



ab104224 staining NeuN - Neuronal Marker in primary hippocampal rat neurons/glia, (obtained from Neuromics, cat. no. PC35101), DIV14. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab104224 at 0.1µg/ml and ab6046, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with ab150117, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and ab150080, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 4% paraformaldehyde (10 min).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

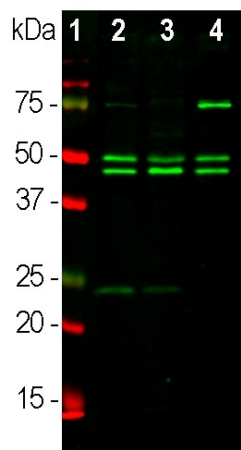


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

IHC image of NeuN staining in rat brain 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 (pH 6, epitope retrieval solution 1) for 20 minutes. The section was then incubated with ab104224, 1 µg/ml, for 15 minutes 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-NeuN antibody [1B7] - Neuronal Marker (ab104224)

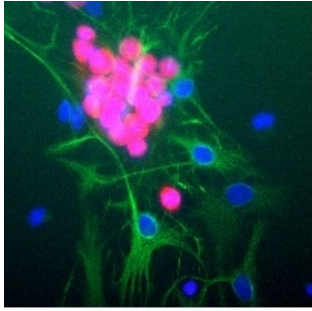
All lanes : Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224) at 1/1000 dilution

Lane 2 : Adult rat whole brain lysate

Lane 3 : Embryonic E20 rat whole brain lysate

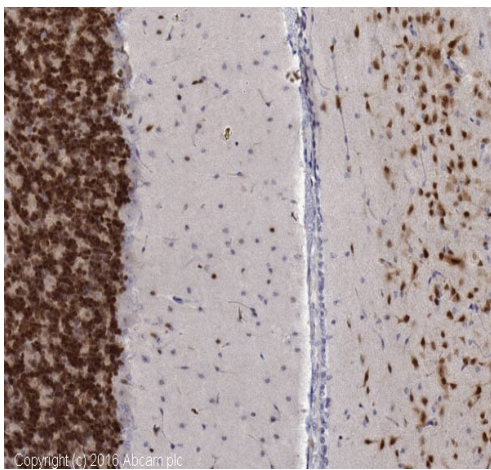
Lane 4 : Adult mouse whole brain lysate

Predicted band size: 46, 48 kDa



Immunocytochemistry/ Immunofluorescence - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

Rat brain neural cultures stained with ab104224 in pink, with **ab4674** (chicken polyclonal to GFAP) in green and DNA in blue. ab104224 reveals strong nuclear and distal cytoplasmic staining. It does not stain astrocytes and other non-neuronal cells.

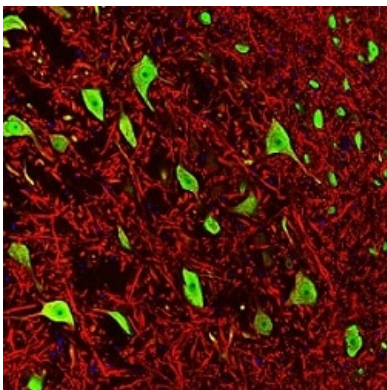


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

IHC image of NeuN staining in mouse cerebellum formalin-fixed paraffin-embedded tissue section, performed on a Leica Bond™ system using the standard protocol B.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6, epitope retrieval solution 1) for 20 minutes. The section was then incubated with ab104224, 1 µg/ml, for 15 minutes at room temperature. A goat anti-rabbit biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

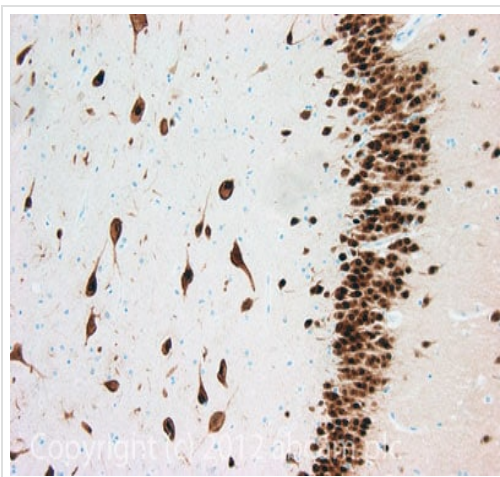
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry/ Immunofluorescence - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

Immunofluorescent analysis of rat brain stem co-stained with ab104224 in green, and a chicken pAb to microtubule associated protein 2 (MAP2) in red. Blue is DAPI staining of nuclear DNA.

Following transcardial perfusion with 4% paraformaldehyde, the brain was post fixed for 24 hours, cut to 45µM, and free-floating sections were stained. The Fox3/NeuN antibody selectively stains nuclei and the proximal cytoplasm of neuronal cells while the MAP2 antibody labels dendrites and overlaps with Fox3/NeuN staining in the perikarya of neurons.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

IHC image of FOX3/NeuN staining in human normal hippocampus 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 minutes. The section was then incubated with ab104224, 5 µg/ml, for 15 minutes 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.

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