abcam

Product datasheet

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

★★★★★ 27 Abreviews 483 References 画像数 7

製品の概要

製品名	Anti-NeuN antibody [1B7] - Neuronal Marker
製品の詳細	Mouse monoclonal [1B7] to NeuN - Neuronal Marker
由来種	Mouse
アプリケーション	**適用あり:** IHC-P, WB, ICC/IF
種交差性	**交差種:** 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** Run BLAST with Run BLAST with
ポジティブ・コントロール	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.
特記事項	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. 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

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. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.03% Sodium azide Constituents: PBS, 50% Glycerol
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	1B7
アイソタイプ	IgG2b

軽鎖の種類	kappa

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ab104224の使用に適用されます

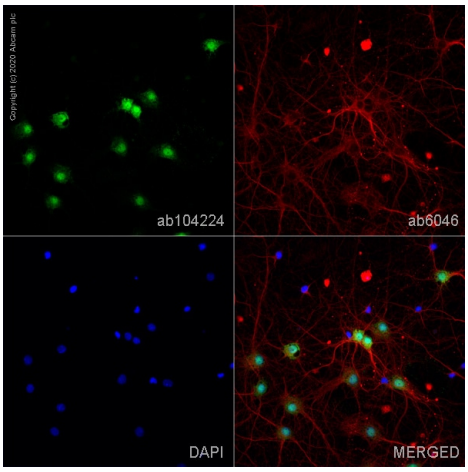
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	RNA-binding protein that regulates alternative splicing events.
配列類似性	Contains 1 RRM (RNA recognition motif) domain.
細胞内局在	Nucleus. Cytoplasm.

画像



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

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).

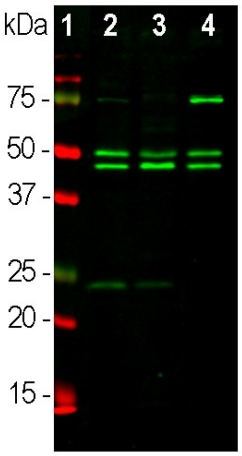
Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

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.

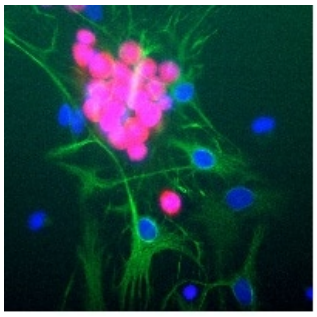


Western blot - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

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

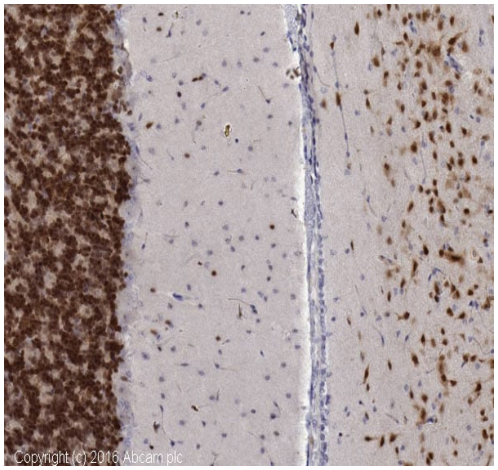
Lane 2 : Adult rat whole brain lysate
Lane 3 : Embryonic E20 rat whole brain lysate
Lane 4 : Adult mouse whole brain lysate

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.

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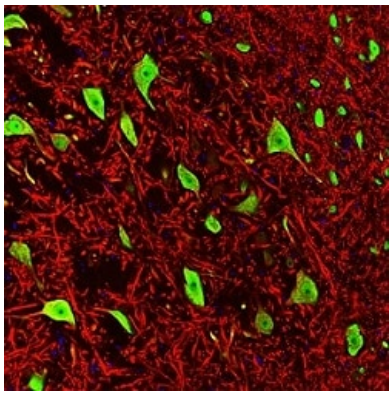
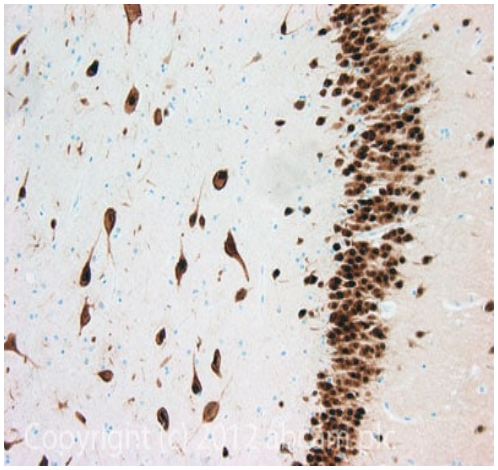


Immunocytochemistry/ Immunofluorescence - Anti-NeuN antibody [1B7] - Neuronal Marker (ab104224)

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 BondTM 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.

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