

Anti-NeuN antibody - Neuronal Marker ab104225

★★★★★ [11 Abreviews](#) [224 References](#) [9 Images](#)

Overview

Product name	Anti-NeuN antibody - Neuronal Marker
Description	Rabbit polyclonal to NeuN - Neuronal Marker
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-FrFI, IHC-P, IHC-FoFr
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.03% Sodium azide Constituents: 49.98% PBS, 49.98% Glycerol (glycerin, glycerine)
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

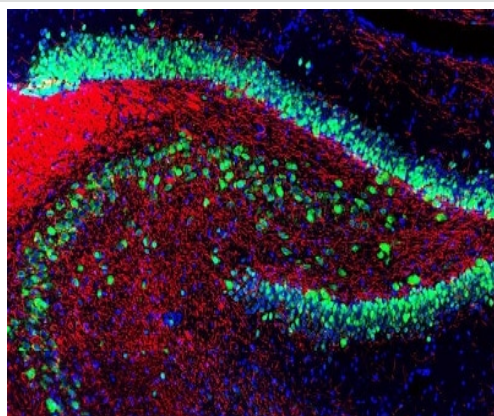
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab104225 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000 - 1/10000. Predicted molecular weight: 48 kDa.
IHC-FrFI	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P	★★★★★★ (6)	1/500 - 1/1000.
IHC-FoFr	★★★★★ (1)	Use at an assay dependent concentration.

Target

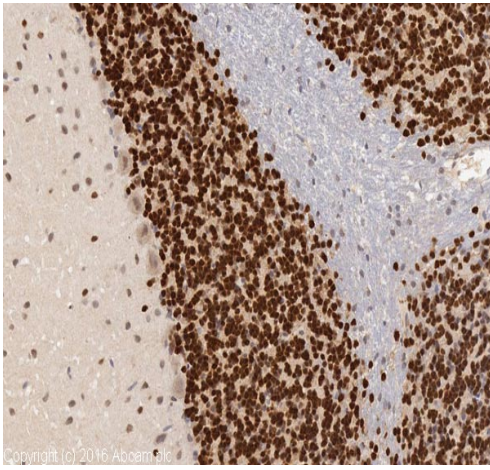
Function	RNA-binding protein that regulates alternative splicing events.
Sequence similarities	Contains 1 RRM (RNA recognition motif) domain.
Cellular localization	Nucleus. Cytoplasm.

Images



Immunohistochemical analysis of paraformaldehyde fixed frozen section Rat hippocampus tissue labeling NeuN with ab104225 at 1/1000 dilution.

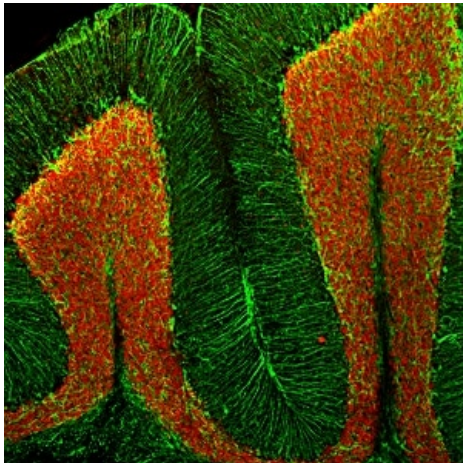
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)

IHC image of NeuN staining in rat cerebellum 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 mins. The section was then incubated with ab104225, 1in500 dilution, for 15 mins 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.

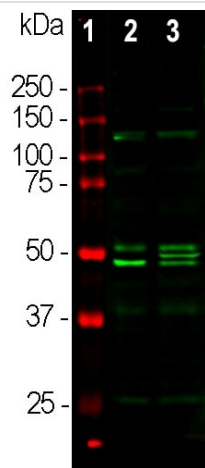
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry - Free Floating - Anti-NeuN antibody - Neuronal Marker (ab104225)

Immunofluorescent analysis of a section of adult mouse cerebellum stained with ab104225 at a dilution 1:5,000 in red, co-stained with chicken pAb to GFAP, dilution 1:5,000, in green.

Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 µM, and free-floating sections. ab104225 stains the nuclei of neurons in the cerebellar granule layer. The GFAP antibody stains the processes of Bergmann glia in the molecular layer and astroglia in the granule and white matter layers.



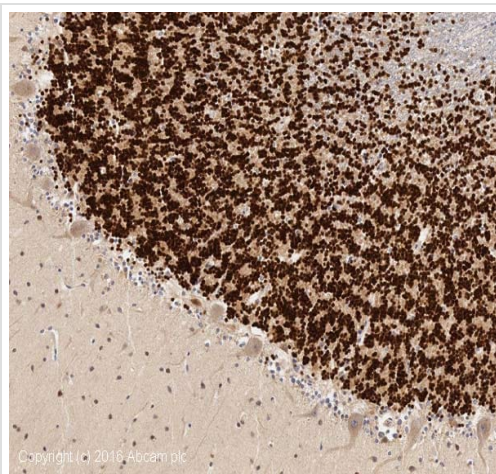
Western blot - Anti-NeuN antibody - Neuronal Marker (ab104225)

All lanes : Anti-NeuN antibody - Neuronal Marker (ab104225) at 1/1000 dilution

Lane 2 : Mouse whole brain lysate

Lane 3 : Rat whole brain lysate

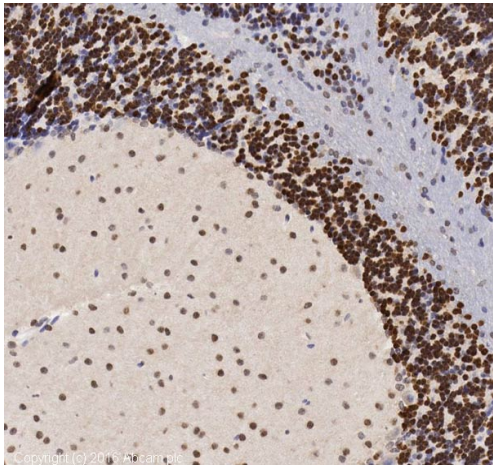
Predicted band size: 48 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)

IHC image of NeuN staining in human cerebellum 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 mins. The section was then incubated with ab104225, 1in500 dilution, for 15 mins 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.

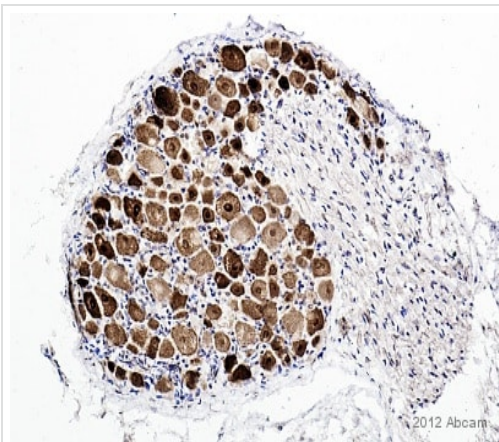
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)

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 (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab104225, 1in500 dilution, for 15 mins 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.

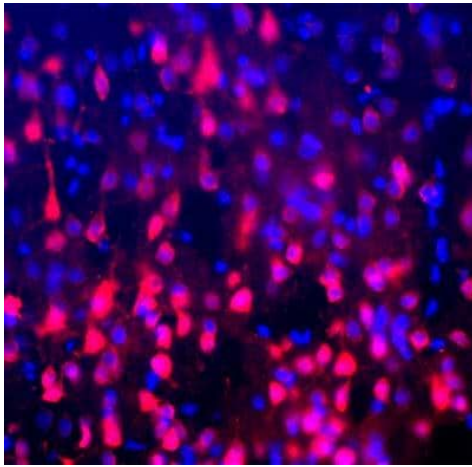
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)

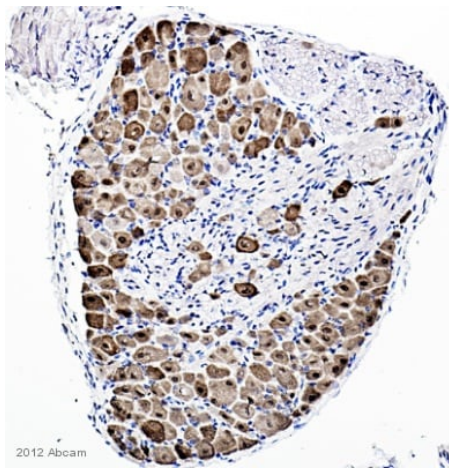
This image is courtesy of an abreview submitted by Carl Hobbs, King's College London, United Kingdom

IHC-P image of FOX3/NeuN staining using rat DRG using **ab104225** (1:500). The sections were subjected to heat mediated antigen retrieval using citric acid pH 6. The sections were blocked using 1% BSA for 10 mins at 21°C. **ab104225** was incubated for 2 hours at 21°C. The secondary antibody used was Goat polyclonal to Rabbit IgG conjugated to biotin (1:200).



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)

ab104225 at 1/1000 dilution, staining FOX3 (red) in rat brain cortex and counterstained for DNA in blue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody - Neuronal Marker (ab104225)

This image is courtesy of an abreview submitted by Carl Hobbs, King's College London, United Kingdom

IHC-P image of FOX3/NeuN staining using mouse DRG using **ab104225** (1:500). The sections were subjected to heat mediated antigen retrieval using citric acid pH 6. The sections were blocked using 1% BSA for 10 mins at 21°C. **ab104225** was incubated for 2 hours at 21°C. The secondary antibody used was Goat polyclonal to Rabbit IgG conjugated to biotin (1:200).

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