

Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker ab190565

重组 RabMAb

★★★★★ **7 Abreviews** **21 References** **9 图像**

概述

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|-------|---|
| 产品名称 | Alexa Fluor® 647 荧光 Anti-NeuN 抗体[EPR12763] - Neuronal Marker |
| 描述 | Alexa Fluor® 647 荧光 兔单克隆抗体[EPR12763] to NeuN - Neuronal Marker |
| 宿主 | Rabbit |
| 偶联物 | Alexa Fluor® 647. Ex: 652nm, Em: 668nm |
| 经测试应用 | 适用于: IHC-P, ICC/IF, IHC-Fr |
| 种属反应性 | 与反应: Mouse, Rat, Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | IHC-P: Mouse, rat and human cerebellum tissue; IHC-Fr: Mouse and Rat cerebellum; ICC/IF: NGF-differentiated PC12 and U87-MG cells. |
| 常规说明 | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or</p> |

性能

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|------|--|
| 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. Store In the Dark. |
| 存储溶液 | pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | EPR12763 |
| 同种型 | IgG |

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab190565于以下的经测试应用

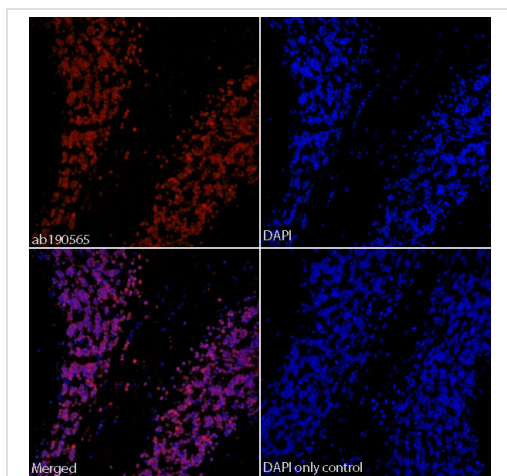
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|--------|-----------|--|
| IHC-P | ★★★★★ (2) | 1/50. ab199093 - Rabbit monoclonal IgG (Alexa Fluor® 647), is suitable for use as an isotype control with this antibody. |
| ICC/IF | | 1/50. |
| IHC-Fr | ★★★★★ (1) | 1/1000. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20) |

靶标

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| 功能 | RNA-binding protein that regulates alternative splicing events. |
| 序列相似性 | Contains 1 RRM (RNA recognition motif) domain. |
| 细胞定位 | Nucleus. Cytoplasm. |

图片



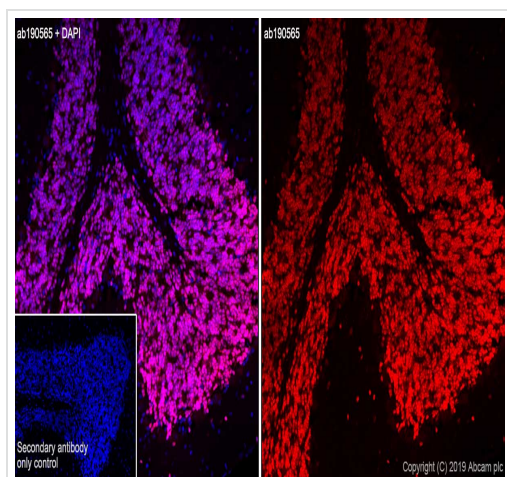
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

IHC image of ab190565 staining in formalin fixed paraffin embedded tissue section of normal human cerebellum.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with ab190565 (1/50) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. The section was then counterstained and mounted with SlowFade® Gold Antifade Mountant with DAPI.

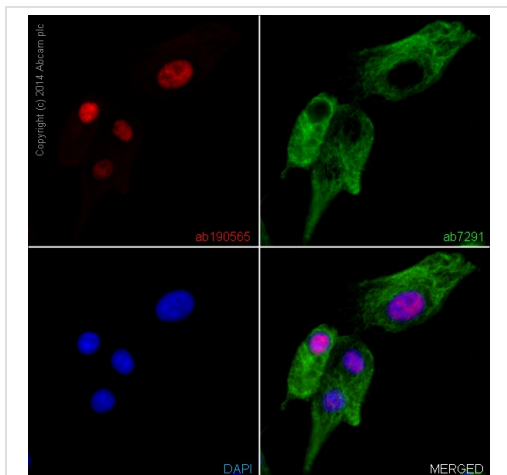
The DAPI only control (no antibody) inset shows no autofluorescence, demonstrating that any Alexa Fluor® 647 signal is derived directly from bound ab190565. The separate images of ab190565 and DAPI alone, combined with the merged version of both signals, shows predominant co-localisation of the Alexa Fluor® 647 signal in the nuclei of the cerebellar granule layer.

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



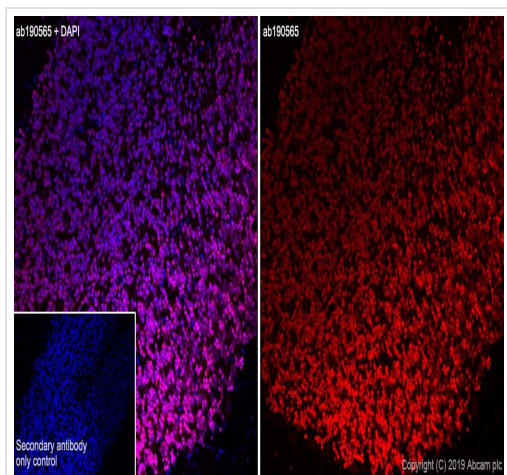
Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

Immunohistochemistry (Frozen sections) analysis of mouse cerebellum tissue sections labeling NeuN with Purified ab190565 at 1/1000 (2.0 µg/ml). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. DAPI was used as a counterstain.



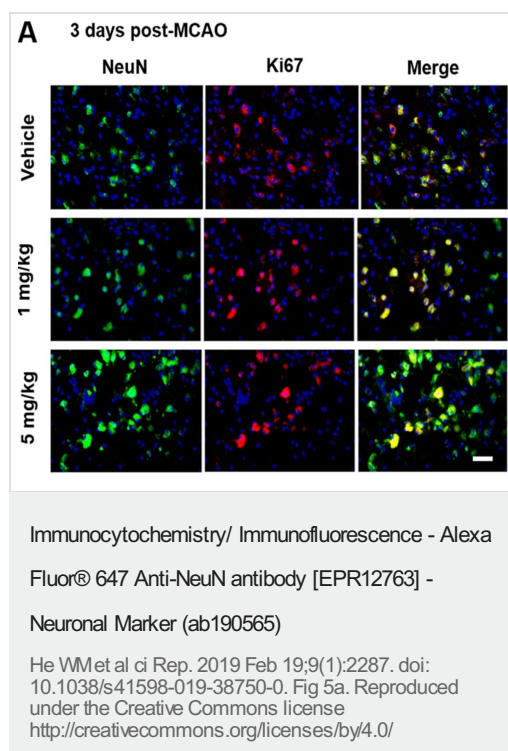
Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

ab190565 staining NeuN in U87-MG cells. The cells were fixed with 100% methanol (5min) and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab190565 at 1/50 dilution (shown in red) and **ab7291** (Mouse monoclonal [DM1A] to alpha Tubulin) at 1 µg/ml overnight at +4°C, followed by a further incubation at room temperature for 1h with an Alexa Fluor® 488 Goat anti-Mouse secondary (**ab150117**) at 2 µg/ml (shown in green). Nuclear DNA was labelled in blue with DAPI.



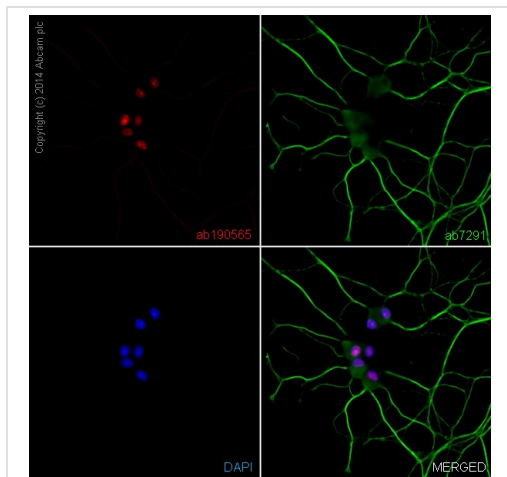
Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

Immunohistochemistry (Frozen sections) analysis of rat cerebellum tissue sections labeling NeuN with Purified ab190565 at 1/1000 (2.0 µg/ml). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. DAPI was used as a counterstain.



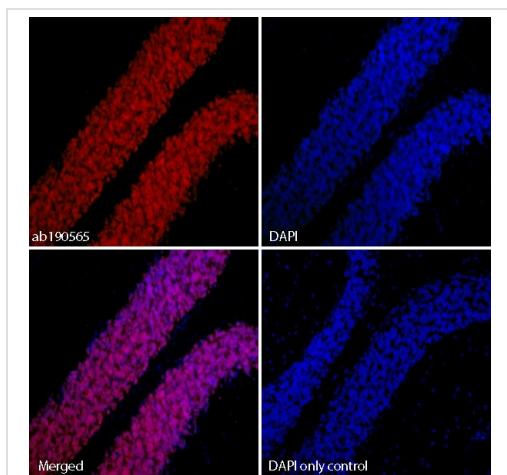
Effects of delayed treatment of L655,708 on neurogenesis in the peri-infarct region. Ki67, a proliferative marker, and NeuN, a neuronal marker, were used to evaluate neurogenesis in the peri-infarct region. The nuclei were counter-stained with DAPI. Asterisk represents the significant difference from vehicle ($n = 8/\text{group}$; $p < 0.05$). Pond represents the significant difference from 1 mg group ($n = 8/\text{group}$; $p < 0.05$). Scale bar = 25 μm .

Panel A shown only. Rat brain sections were first pre-treated with citrate buffer (0.01 mol/L, pH 6.0) for 5 minutes at 85 °C, followed by incubation with 5% normal goat serum for 1 hour at room temperature. Sections were then incubated with anti-Ki67 (rabbit monoclonal antibody to Ki67, 1/500; **ab16667**) and anti-NeuN (rabbit monoclonal antibody to NeuN, 1/500; ab190565), overnight at 4 °C. Sections were then rinsed in phosphate-buffered saline 3 times, followed by incubation with rabbit secondary antibody (anti-rabbit IgG, 1/1000) for 1 hour at room temperature. Fluorescence signals were then detected under a microscope. Negative control was conducted by incubating sections with PBS instead of primary antibodies. No positive signals were shown in negative control.



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

ab190565 staining NeuN in NGF-differentiated PC12 cells (7 days). The cells were fixed with 100% methanol (5min) and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab190565 at 1/50 dilution (shown in red) and **ab7291** (Mouse monoclonal [DM1A] to alpha Tubulin) at 1µg/ml overnight at +4°C, followed by a further incubation at room temperature for 1h with an Alexa Fluor® 488 Goat anti-Mouse secondary (**ab150117**) at 2 µg/ml (shown in green). Nuclear DNA was labelled in blue with DAPI.



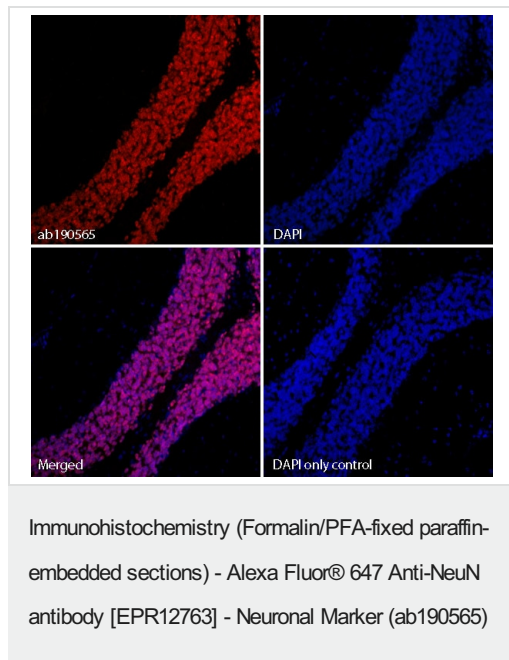
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

IHC image of ab190565 staining in formalin fixed paraffin embedded tissue section of normal rat cerebellum.

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The DAPI only control (no antibody) inset shows no autofluorescence, demonstrating that any Alexa Fluor® 647 signal is derived directly from bound ab190565. The separate images of ab190565 and DAPI alone, combined with the merged version of both signals, shows predominant co-localisation of the Alexa Fluor® 647 signal in the nuclei of the cerebellar granule layer.

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



IHC image of ab190565 staining in formalin fixed paraffin embedded tissue section of normal mouse cerebellum.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with ab190565 (1/50) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. The section was then counterstained and mounted with SlowFade® Gold Antifade Mountant with DAPI.

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Why choose a recombinant antibody?

| | |
|--|--|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

Alexa Fluor® 647 Anti-NeuN antibody [EPR12763] - Neuronal Marker (ab190565)

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