abcam

Product datasheet

# Anti-Neurogenin 2/NGN2 antibody ab154293

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## 概述

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|---|---|
| **产品名称** | Anti-Neurogenin 2/NGN2抗体 |
| **描述** | 兔多克隆抗体to Neurogenin 2/NGN2 |
| **宿主** | Rabbit |
| **经测试应用** | **适用于:** ICC/IF, WB |
| **种属反应性** | **与反应:** Mouse, Rat |
| **免疫原** | Synthetic peptide corresponding to Mouse Neurogenin 2/NGN2 aa 1-100 conjugated to keyhole limpet haemocyanin.<br>Database link: **P70447** |
| **阳性对照** | This antibody gave a positive signal in the following tissue lysates: Mouse E10 Embryonic Brain; Rat E14 Embryonic Brain; Rat E14 Embryonic Spinal Cord; Rat E16 Embryonic Brain; Rat E16 Embryonic Spinal Cord. This antibody gave a positive result when used in the following methanol fixed cell lines: PC12 |
| **常规说明** | 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.<br>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 |

## 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 or -80°C. Avoid freeze / thaw cycle. |
| **存储溶液** | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituent: PBS<br><br>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help. |

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| **纯度** | Immunogen affinity purified |
| **克隆** | **多克隆** |
| **同种型** | IgG |

## 应用

**The Abpromise guarantee** **Abpromise™承诺保证使用**ab154293**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 |
|---|---|---|
| **ICC/IF** | | Use a concentration of 1 µg/ml. |
| **WB** | | Use a concentration of 1 µg/ml. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa). |

## 靶标

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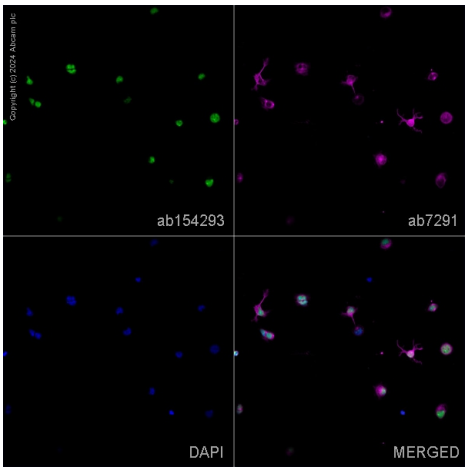
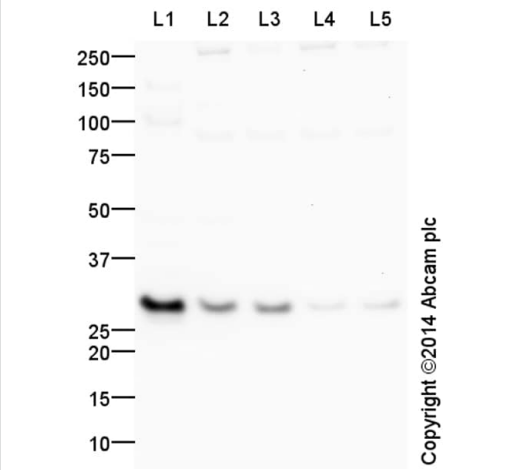
|---|---|
| **功能** | Involved in neurogenesis. |
| **序列相似性** | Contains 1 basic helix-loop-helix (bHLH) domain. |
| **细胞定位** | Nucleus. |

## 图片




Immunocytochemistry/ Immunofluorescence - Anti-Neurogenin 2/NGN2 antibody (ab154293)

ab154293 staining Neurogenin 2/NGN2 in Rat Primary Neurons DIV1 cells. The cells were fixed with 4% paraformaldehyde (10 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 ab154293 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue). Also suitable in cells fixed with 100% methanol (5 min).Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.




Western blot - Anti-Neurogenin 2/NGN2 antibody (ab154293)

**All lanes :** Anti-Neurogenin 2/NGN2 antibody (ab154293) at 1 µg/ml (Milk blocking 5%)

**Lane 1 :** E10 Mouse Embryo Brain Tissue Lysate
**Lane 2 :** E14 Rat Embryo Brain Tissue Lysate
**Lane 3 :** E14 Rat Embryo Spinal Cord Tissue Lysate
**Lane 4 :** E16 Rat Embryo Brain Tissue Lysate
**Lane 5 :** E16 Rat Embryo Spinal Cord Tissue Lysate

Lysates/proteins at 25 µg per lane.

**Secondary**
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

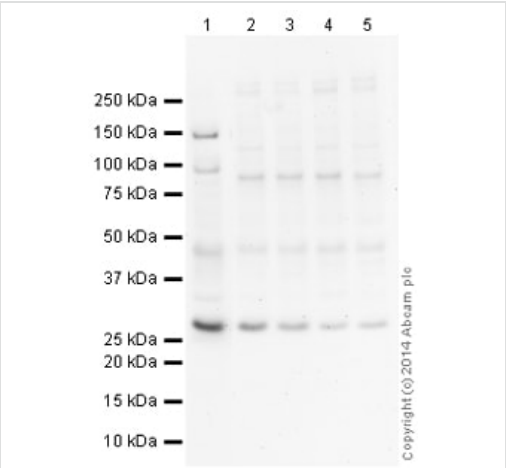
Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 28 kDa
**Observed band size:** 28 kDa

**Exposure time:** 1 minute

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Milk before being incubated with ab154293 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.




Western blot - Anti-Neurogenin 2/NGN2 antibody (ab154293)

**All lanes :** Anti-Neurogenin 2/NGN2 antibody (ab154293) at 1 µg/ml

**Lane 1 :** E10 Mouse Embryo Brain Tissue Lysate
**Lane 2 :** E14 Rat Embryo Brain Tissue Lysate
**Lane 3 :** E14 Rat Embryo Spinal Cord Tissue Lysate
**Lane 4 :** E16 Rat Embryo Brain Tissue Lysate
**Lane 5 :** E16 Rat Embryo Spinal Cord Tissue Lysate

Lysates/proteins at 10 µg per lane.

**Secondary**
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 28 kDa
**Observed band size:** 28 kDa
**Additional bands at:** 100 kDa (possible non-specific binding), 150 kDa (possible non-specific binding), 48 kDa (possible non-specific binding)

**Exposure time:** 90 seconds

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab154293 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development

solution.

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

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