abcam

Product datasheet

Anti-Neurogenin 2/NGN2 antibody ab154293

1 Abreviews 3 Images

Overview

Product name	Anti-Neurogenin 2/NGN2 antibody
Description	Rabbit polyclonal to Neurogenin 2/NGN2
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, WB
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	Synthetic peptide corresponding to Mouse Neurogenin 2/NGN2 aa 1-100 conjugated to keyhole limpet haemocyanin. Database link: P70447
Positive control	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
General notes	This product was previously labelled as Neurogenin 2

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

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

	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.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab154293 in the following tested applications.

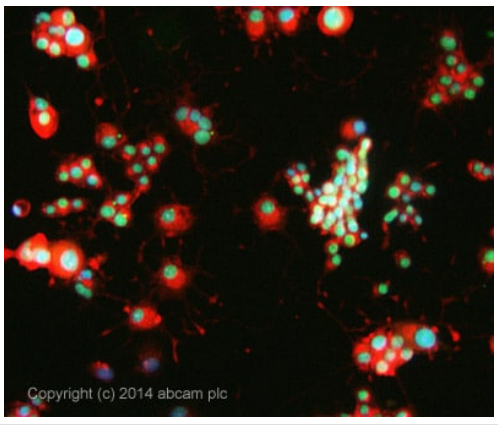
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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).

Target

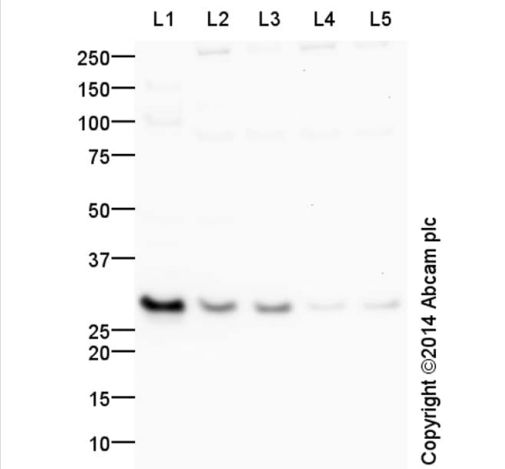
Function	Involved in neurogenesis.
Sequence similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
Cellular localization	Nucleus.

Images



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

ICC/IF image of ab154293 stained PC12 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Triton for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab154293 at 1µg/ml overnight at +4°C. The secondary antibody (pseudo-colored green) was Alexa Fluor® 488 goat anti- rabbit (ab150081) IgG (H+L) preadsorbed, used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200 dilution for 1h at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1hour at room temperature.



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

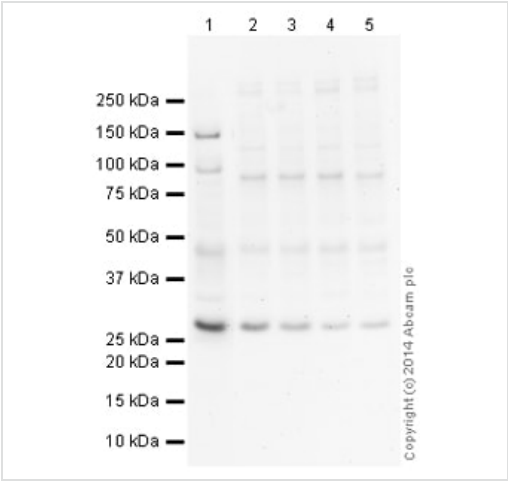
Developed using the ECL technique.

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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