

Product datasheet

Anti-NrCAM antibody - Neuronal Marker ab24344

★★★★★ [2 Abreviews](#) [38 References](#) [2 Images](#)

Overview

Product name	Anti-NrCAM antibody - Neuronal Marker
Description	Rabbit polyclonal to NrCAM - Neuronal Marker
Host species	Rabbit
Specificity	ab24344 immunoblots a single major protein of NrCAM (see western blot image on datasheet) and recognizes proteins of comparable size from mouse, rat and human.
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment corresponding to Mouse NrCAM. Mouse NrCAM protein as fusion with human Fc region of Ig. This antibody recognizes an extracellular region of the protein. It cross-reacts with human Fc region. Database link: Q810U4
General notes	<p>This antibody recognizes an extracellular region of the protein. It cross-reacts with human Fc region.</p> <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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab24344 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		1/500.
WB		1/500. Detects a band of approximately 145 kDa (predicted molecular weight: 145 kDa).

Target

Function

Cell adhesion, ankyrin-binding protein involved in neuron-neuron adhesion. May play a role in the molecular assembly of the nodes of Ranvier.

Tissue specificity

Detected in all the examined tissues. In the brain it was detected in the amygdala, caudate nucleus, corpus callosum, hippocampus, hypothalamus, substantia nigra, subthalamic nucleus and thalamus.

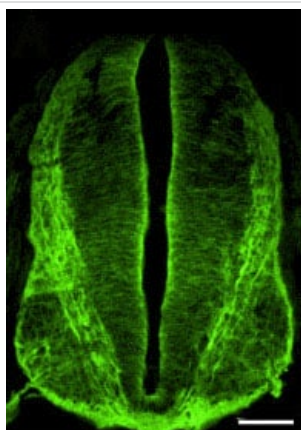
Sequence similarities

Belongs to the immunoglobulin superfamily. L1/neurofascin/NgCAM family.
Contains 5 fibronectin type-III domains.
Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

Cellular localization

Cell membrane.

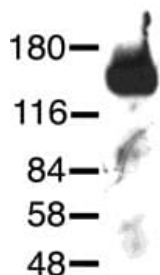
Images



ab24344 detects NrCAM by immunofluorescence on embryonic day 11.5 mouse spinal cord. Floor plate commissural axons crossing to the contralateral side of the spinal cord are shown here labeled for NrCAM by ab24344 (1/300). Mouse spinal cord was 4% PFA-fixed and processed on slide for IF. Scale bar=50um

Immunocytochemistry/ Immunofluorescence - Anti-NrCAM antibody - Neuronal Marker (ab24344)

This image is courtesy of Martin Grumet, Rutgers University, United States



Western blot - Anti-NrCAM antibody - Neuronal Marker (ab24344)

This image is courtesy of Martin Grumet, Rutgers University, United States

Anti-NrCAM antibody - Neuronal Marker (ab24344) at 1/500 dilution
+ 20 µg of postnatal day 8 mouse brain extract in SDS

Predicted band size: 145 kDa

Observed band size: 145 kDa

ab24344 also can be used for immunoprecipitation and blocks function

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

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- Response to your inquiry within 24 hours
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