


Anti-Nfasc186 antibody - Neuronal Marker ab31719

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Overview

Product name	Anti-Nfasc186 antibody - Neuronal Marker
Description	Rabbit polyclonal to Nfasc186 - Neuronal Marker
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Human 
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 950 - 1050 of Rat Nfasc186. Read Abcam's proprietary immunogen policy (Peptide available as ab32637 .)
Positive control	Brain (Rat) Whole Tissue Lysate.
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 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 ab31719 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		Use a concentration of 1 µg/ml. Detects a band of approximately 186 kDa (predicted molecular weight: 186 kDa).

Target

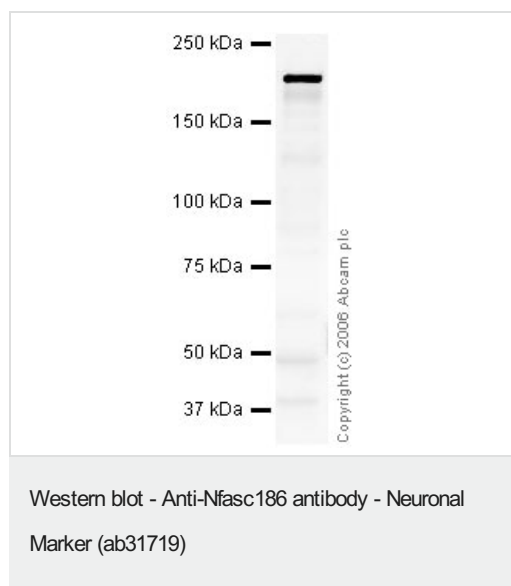
Relevance

Nfasc186 (Neurofascin 186) is one of two alternatively spliced products of the Neurofascin (Nfasc) gene in rat; the other being Nfasc155. The establishment of paranodal axoglial junctions in myelinated nerves where voltage-gated sodium channels are concentrated at the nodes of Ranvier is determined by myelin-forming glia. The two isoforms of Neurofascin, Nfasc186 in neurons and Nfasc155 in glia, are required for the assembly of these specialized domains. These two major Neurofascins play essential roles in assembling the nodal and paranodal domains of myelinated axons and are essential for the transition to saltatory conduction in developing vertebrate nerves. Nfasc186 (Isoform 1) is expressed at the Nodes of Ranvier while the Nfasc155 (isoforms 2 and 3) are expressed in unmyelinated axons.

Cellular localization

Cell Membrane; Type I membrane protein.

Images



Anti-Nfasc186 antibody - Neuronal Marker (ab31719) at 1 µg/ml + Brain (Rat) Whole Tissue Lysate at 20 µg

Secondary

IR Dye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 186 kDa

Observed band size: 186 kDa

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

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