

Product datasheet

Anti-Nogo A+B antibody ab47085

★★★★★ 10 Abreviews 8 References 3 Images

Overview

Product name	Anti-Nogo A+B antibody
Description	Rabbit polyclonal to Nogo A+B
Host species	Rabbit
Specificity	ab47085 recognises Nogo A and Nogo B2 and B1
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide, sequence taken from within amino acids 1-50 of human Nogo B.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as 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: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab47085** 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	★★★★★	1/200.
WB	★★★★★	1/500 - 1/2000. Detects a band of approximately >200 kDa.

Target

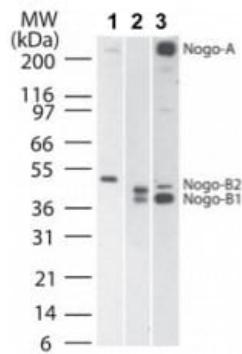
Relevance

NOGO is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Adult mammalian axon regeneration is generally successful in the peripheral nervous system but poor in the central nervous system. Inhibition results from physical barriers imposed by glial scars, a lack of neurotrophic factors, and growth-inhibitory molecules associated with myelin, the insulating axon sheath. These molecules include NI35, myelin-associated glycoprotein (159460), and Nogo. Several isoforms (A-E) of NOGO exist.

Cellular localization

Endoplasmic reticulum; endoplasmic reticulum membrane; multi-pass membrane protein.
Note=Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.

Images



Western blot - Anti-Nogo A+B antibody (ab47085)

All lanes : Anti-Nogo A+B antibody (ab47085) at 1/2000 dilution

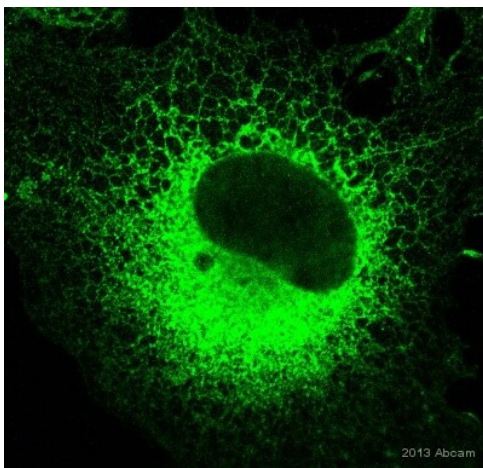
Lane 1 : Human brain tissue lysate

Lane 2 : Mouse brain tissue lysate

Lane 3 : Rat brain tissue lysate

Observed band size: >200,41,43,48-50 kDa

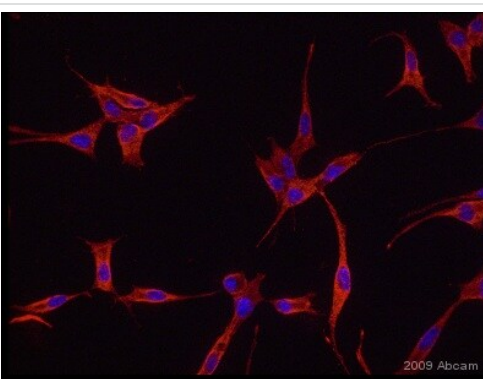
[why is the actual band size different from the predicted?](#)



Immunocytochemistry/ Immunofluorescence - Anti-Nogo A+B antibody (ab47085)

This image is courtesy of an anonymous Abreview

ab47085 staining Nogo A+B in African Green Monkey COS-7 cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton X-100 and blocked with 3% BSA for 1 hour at 23°C. Samples were incubated with primary antibody (1/500 in PBS-BSA) for 1 hour at 23°C. An Alexa Fluor® 488-conjugated Goat anti-rabbit IgG polyclonal (1/1000) was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Nogo A+B antibody (ab47085)

This image is courtesy of Carl Hobbs, King's College London, United Kingdom

Immunocytochemistry staining for Nogo A+B in Cor1 neural stem cells from mouse using Rabbit polyclonal to Nogo A+B (ab47085; 1/200 incubated for 2h at RT); Immunoreactivity was detected in cell-body as well as in neurites.

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