

Product datasheet

Anti-Nogo A+B antibody ab47085

★★★★★ [10 Abreviews](#) [18 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: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Mouse, Rat, Human, African green monkey
Immunogen	Synthetic peptide, sequence taken from within amino acids 1-50 of human Nogo B.
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	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 0.05% BSA</p>
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee 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
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (5)	1/200.
WB	★★★★★ (4)	1/500 - 1/2000. Detects a band of approximately >200 kDa.

Target

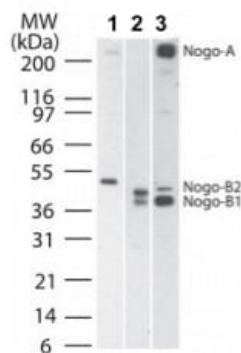
Relevance

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)

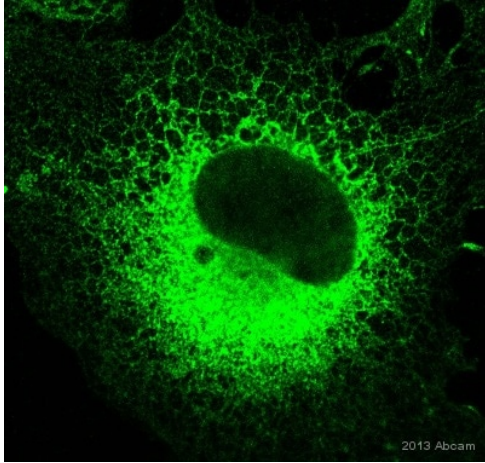
All lanes : Anti-Nogo A+B antibody (ab47085) at 1/2000 dilution

Lane 1 : Human brain tissue lysate

Lane 2 : Mouse brain tissue lysate

Lane 3 : Rat brain tissue lysate

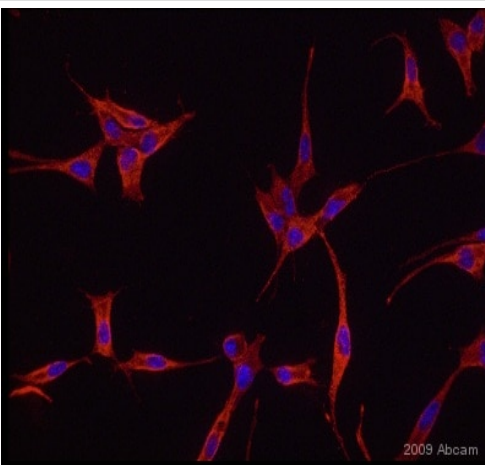
Observed band size: >200,41,43,48-50 kDa



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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