

Anti-Nogo A antibody ab62024

★★★★★ [2 Abreviews](#) [20 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Nogo A antibody
製品の詳細	Rabbit polyclonal to Nogo A
由来種	Rabbit
特異性	ab62024 is specific for Nogo A and Nogo E.
アプリケーション	適用あり: ICC/IF, IHC-P, WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Raised against a 19 amino acid synthetic peptide from near the centre of Human Nogo A (GenBank accession no. NP_065393).
ポジティブ・コントロール	WB: Human brain tissue lysate. IHC-P: Mouse brain tissue.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

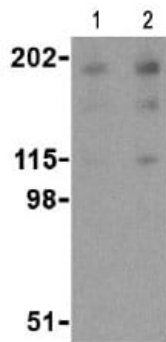
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab62024の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P		Use a concentration of 2.5 µg/ml.
WB	★★★★★ (1)	Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 180 kDa (predicted molecular weight: 130 kDa).Can be blocked with Human Nogo A peptide (ab234893) .

ターゲット情報

機能	Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization of wiring and restriction of plasticity in the adult CNS. Regulates the radial migration of cortical neurons via an RTN4R-LINGO1 containing receptor complex (By similarity). Isoform 2 reduces the anti-apoptotic activity of Bcl-xl and Bcl-2. This is likely consecutive to their change in subcellular location, from the mitochondria to the endoplasmic reticulum, after binding and sequestration. Isoform 2 and isoform 3 inhibit BACE1 activity and amyloid precursor protein processing.
組織特異性	Isoform 1 is specifically expressed in brain and testis and weakly in heart and skeletal muscle. Isoform 2 is widely expressed except for the liver. Isoform 3 is expressed in brain, skeletal muscle and adipocytes. Isoform 4 is testis-specific.
配列類似性	Contains 1 reticulon domain.
ドメイン	Three regions, residues 59-172, 544-725 and the loop 66 amino acids, between the two transmembrane domains, known as Nogo-66 loop, appear to be responsible for the inhibitory effect on neurite outgrowth and the spreading of neurons. This Nogo-66 loop, mediates also the binding of RTN4 to its receptor.
細胞内局在	Endoplasmic reticulum membrane. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.

画像



Western blot - Anti-Nogo A antibody (ab62024)

Lane 1 : Anti-Nogo A antibody (ab62024) at 0.5 µg/ml

Lane 2 : Anti-Nogo A antibody (ab62024) at 1 µg/ml

All lanes : Human brain tissue lysate

Lysates/proteins at 15 µg per lane.

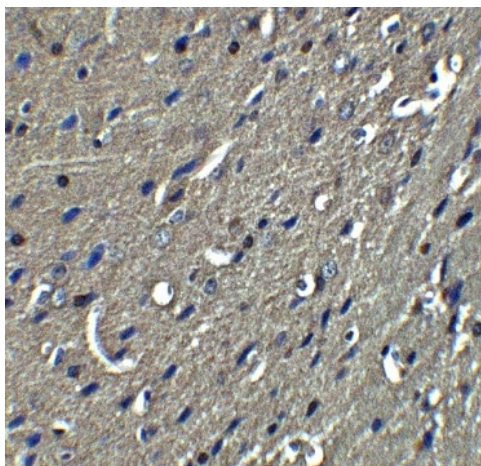
Secondary

All lanes : anti-rabbit IgG

Predicted band size: 130 kDa

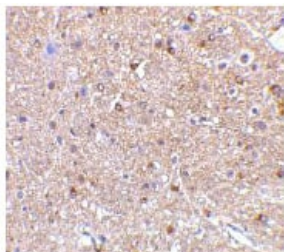
Observed band size: 180 kDa

Additional bands at: 115 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nogo A antibody (ab62024)

Immunohistochemistry (Formalin-fixed paraffin embedded sections) of mouse brain tissue labeling Nogo A with Anti-Nogo A antibody (ab62024) at 5µg/ml.

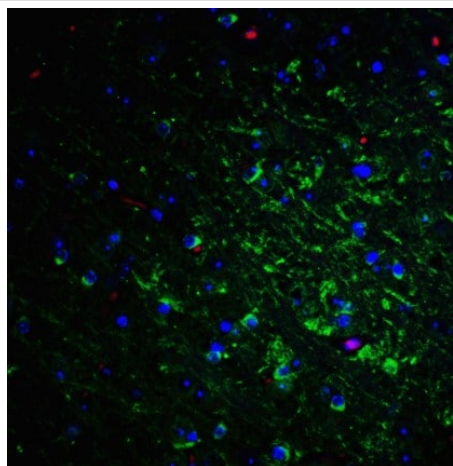


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nogo A antibody (ab62024)

Immunohistochemical (Formalin-fixed paraffin embedded sections) analysis of mouse Nogo A in brain tissue using ab62024 at 2.5µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nogo A antibody (ab62024)

Immunohistochemical analysis of 4% paraformaldehyde-fixed Nogo A in mouse brain tissue using **ab8416** at 20µg/ml.



Immunohistochemical analysis of 4% paraformaldehyde-fixed rat brain tissue labelled Nogo A with ab62024 at 20µg/ml (green), followed by DAPI (blue) and phalloidin (red).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nogo A antibody (ab62024)

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