

Anti-Nogo A antibody ab62024

★★★★★ [2 Abreviews](#) [20 References](#) [5 图像](#)

概述	
产品名称	Anti-Nogo A抗体
描述	兔多克隆抗体to Nogo A
宿主	Rabbit
特异性	ab62024 is specific for Nogo A and Nogo E.
经测试应用	适用于: ICC/IF, IHC-P, WB
种属反应性	与反应: 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).
阳性对照	WB: Human brain tissue lysate. IHC-P: Mouse brain tissue.
常规说明	<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>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG
应用	

The Abpromise guarantee

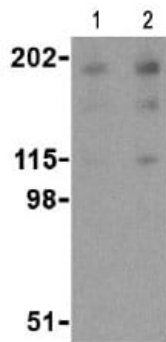
Abpromise™承诺保证使用ab62024于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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) .

靶标	
功能	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.
组织特异性	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.
序列相似性	Contains 1 reticulon domain.
结构域	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.
细胞定位	Endoplasmic reticulum membrane. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.

图片



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.

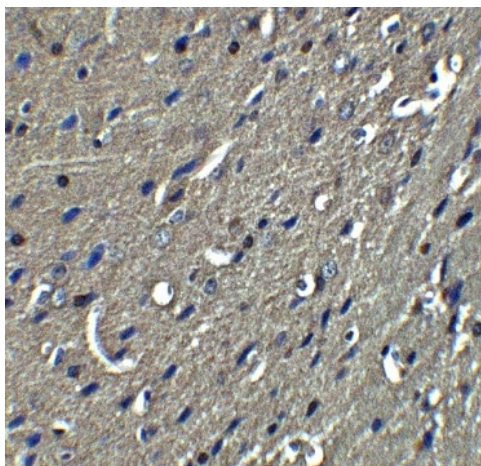
Secondary

All lanes : anti-rabbit IgG

Predicted band size: 130 kDa

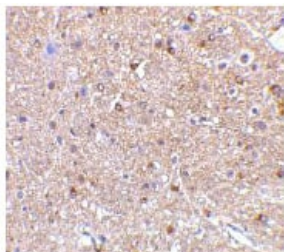
Observed band size: 180 kDa

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.

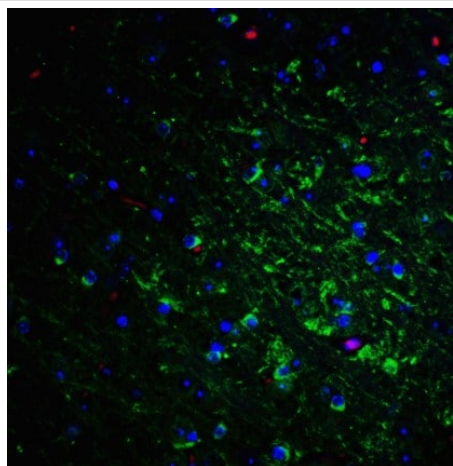


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nogo A antibody (ab62024)

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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