

# Anti-Nogo antibody [EPR12265] ab180847

リコンビナント **RabMAb**

**2 References**   [画像数 7](#)

### 製品の概要

製品名	Anti-Nogo antibody [EPR12265]
製品の詳細	Rabbit monoclonal [EPR12265] to Nogo
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, Flow Cyt (Intra), ICC/IF, IP, IHC-P
種交差性	<b>交差種:</b> Human <b>非交差種:</b> Mouse, Rat
免疫原	Synthetic peptide within Human Nogo aa 100-200 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q9NQC3</a>
ポジティブ・コントロール	U87-MG, SH-SY5Y and HeLa whole cell lysate ( <a href="#">ab150035</a> ). Human brain and breast carcinoma tissues. U87-MG and HeLa cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

	supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR12265
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ab180847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確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 130 kDa. Does not work in mouse and rat WB.
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100 - 1/250.
IP		1/10 - 1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The use of an HRP/AP polymerized secondary antibody is recommended.

ターゲット情報

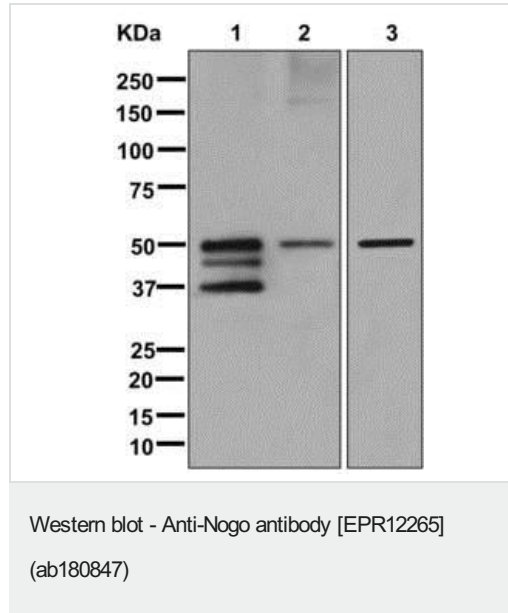
機能	Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization 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



**All lanes :** Anti-Nogo antibody [EPR12265] (ab180847) at 1/1000 dilution

**Lane 1 :** U87-MG cell lysate

**Lane 2 :** SH-SY5Y cell lysate

**Lane 3 :** HeLa cell lysate

Lysates/proteins at 10 µg per lane.

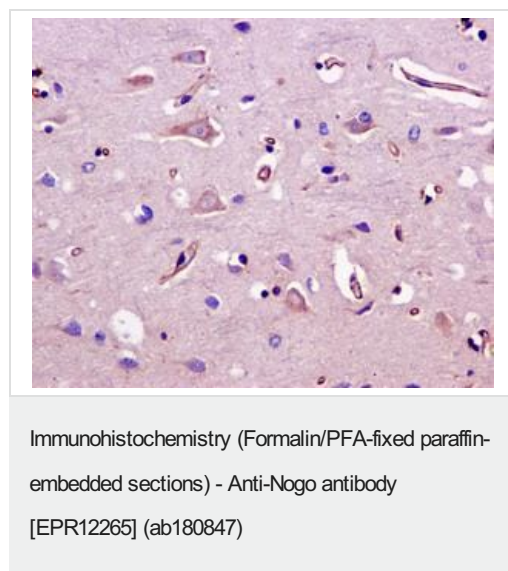
### Secondary

**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

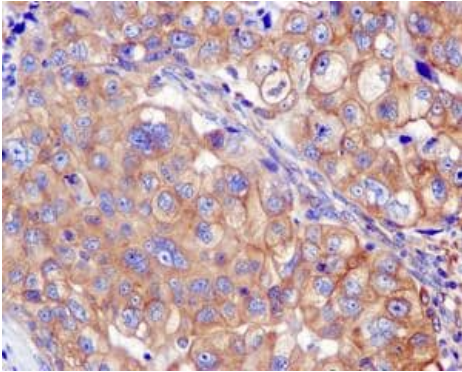
**Predicted band size:** 130 kDa

**Observed band size:** 40-55 kDa



Immunohistochemical analysis of formalin-fixed, paraffin-embedded, Human brain tissue labeling Nogo with ab180847 at a 1/50 dilution.

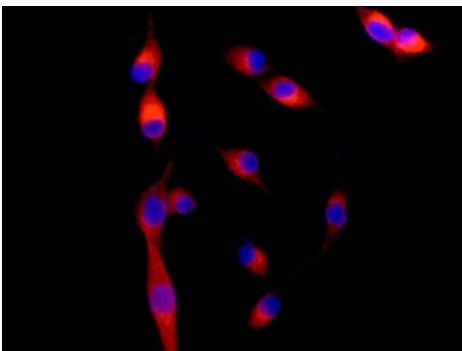
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nogo antibody [EPR12265] (ab180847)

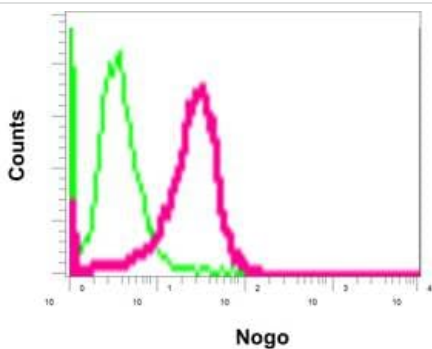
Immunohistochemical analysis of formalin-fixed, paraffin-embedded, Human breast carcinoma tissue labeling Nogo with ab180847 at a 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



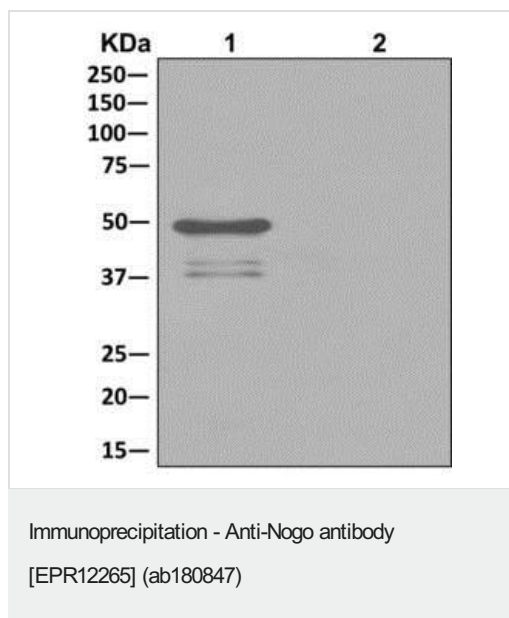
Immunocytochemistry/ Immunofluorescence - Anti-Nogo antibody [EPR12265] (ab180847)

Immunofluorescence analysis of U87-MG cells labeling Nogo with ab180847 at a 1/100 dilution.



Flow Cytometry (Intracellular) - Anti-Nogo antibody [EPR12265] (ab180847)

Intracellular Flow Cytometry analysis of permeabilized HeLa cells labeling Nogo (red) with ab180847 at a 1/10 dilution, or negative control rabbit IgG (green)



Western blot analysis on Immunoprecipitation pellet from either 1) HeLa cell lysate, or 2) 1xPBS (negative control); showing Nogo, using ab180847 at 1/10 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Why choose a recombinant antibody?

<p><b>Research with confidence</b> Consistent and reproducible results</p>	<p><b>Long-term and scalable supply</b> Recombinant technology</p>
<p><b>Success from the first experiment</b> Confirmed specificity</p>	<p><b>Ethical standards compliant</b> Animal-free production</p>

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

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