


### Anti-Nogo antibody [EPR12266] ab177953

リコンビナント RabMAb

画像数 3

#### 製品の概要

製品名	Anti-Nogo antibody [EPR12266]
製品の詳細	Rabbit monoclonal [EPR12266] to Nogo
由来種	Rabbit
特異性	The immunogen used for this product shares high homology with RTN1 (89%), RTN2 (78%), and RTN3 (78%). Cross-reactivity with RTN1, RTN2, and RTN3 has not been confirmed experimentally.
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB <b>適用なし:</b> ICC/IF, IHC-P or IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	U87-MG, SH-SY5Y, and HeLa cell lysates; U87-MG 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> .

#### 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 Constituents: 0.35% Sodium citrate, 0.17% Sodium chloride, 0.03% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR12266
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ab177953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。

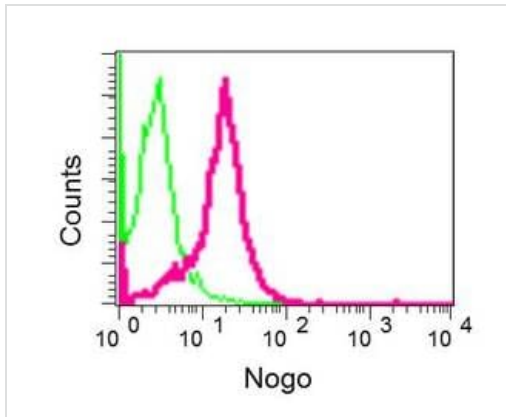
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100 - 1/500. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/5000. Detects a band of approximately 40-190 kDa (predicted molecular weight: 129 kDa).

**追加情報** Is unsuitable for ICC/IF, IHC-P or IP.

## ターゲット情報

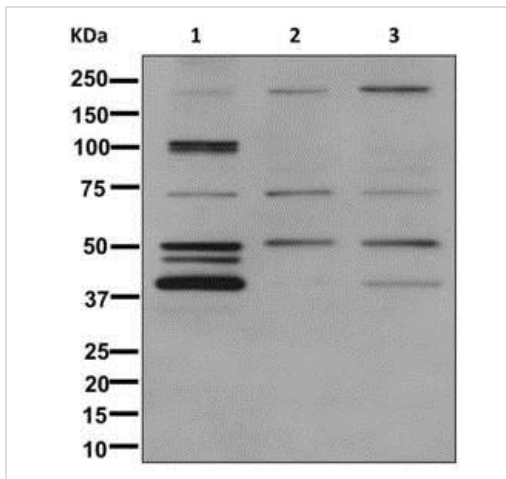
<b>機能</b>	Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization 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.
<b>組織特異性</b>	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.
<b>配列類似性</b>	Contains 1 reticulon domain.
<b>ドメイン</b>	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.
<b>細胞内局在</b>	Endoplasmic reticulum membrane. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.

## 画像



Intracellular flow cytometric analysis of permeabilized U87-MG cells labeling Nogo with ab177953 at 1/100 dilution (red) or a rabbit IgG (negative) (green).

Flow Cytometry (Intracellular) - Anti-Nogo antibody [EPR12266] (ab177953)



**All lanes** : Anti-Nogo antibody [EPR12266] (ab177953) 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

**Predicted band size:** 129 kDa

Western blot - Anti-Nogo antibody [EPR12266] (ab177953)

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-Nogo antibody [EPR12266] (ab177953)

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

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