

## Product datasheet

# Anti-Nogo Receptor antibody [EPR11159] ab184556

Recombinant RabMAb

[4 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-Nogo Receptor antibody [EPR11159]
<b>Description</b>	Rabbit monoclonal [EPR11159] to Nogo Receptor
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	SH-SY5Y, 293 and HepG2 cell lysates. Neuro-2a and C6 whole cell lysates. Mouse brain and hippocampus tissue lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR11159

Isotype IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab184556 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
WB		1/10000 - 1/50000. Detects a band of approximately 66 kDa (predicted molecular weight: 51 kDa).
IP		1/50 - 1/70.

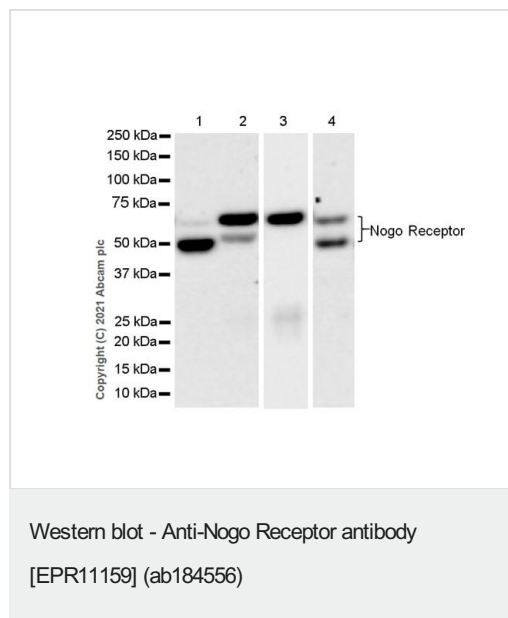
**Application notes** Is unsuitable for ICC.

## Target

**Relevance** Nogo Receptor mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. It is also a receptor for Nogo A (RTN4), OMG and MAG.

**Cellular localization** Cell Membrane

## Images



**All lanes** : Anti-Nogo Receptor antibody [EPR11159] (ab184556) at 1/5000 dilution

**Lane 1** : Neuro-2a (mouse neuroblastoma neuroblast) whole cell lysate

**Lane 2** : Mouse brain tissue lysate

**Lane 3** : Mouse hippocampus tissue lysate

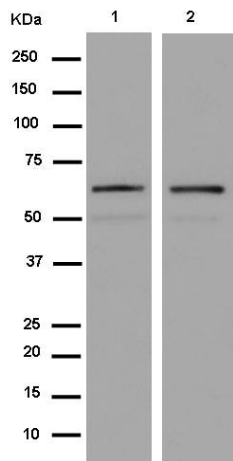
**Lane 4** : C6 (rat glial tumor glial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

**Predicted band size:** 51 kDa



Western blot - Anti-Nogo Receptor antibody  
[EPR11159] (ab184556)

**All lanes :** Anti-Nogo Receptor antibody [EPR11159] (ab184556)  
at 1/50000 dilution

**Lane 1 :** SH-SY5Y cell lysate

**Lane 2 :** HepG2 cell lysate

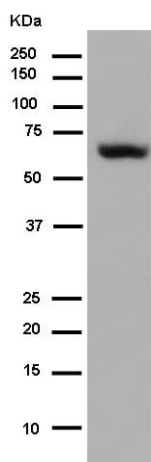
Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at  
1/1000 dilution

**Predicted band size:** 51 kDa

**Observed band size:** 66 kDa



Western blot - Anti-Nogo Receptor antibody  
[EPR11159] (ab184556)

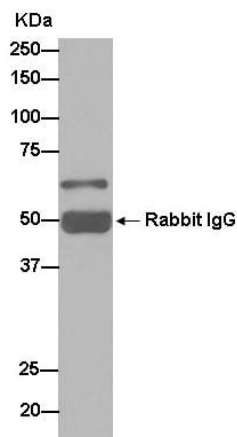
Anti-Nogo Receptor antibody [EPR11159] (ab184556) at 1/10000  
dilution + 293 cell lysate at 20 µg

#### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000  
dilution

**Predicted band size:** 51 kDa

**Observed band size:** 66 kDa



Western blot analysis of Nogo Receptor in HepG2 cell lysate immunoprecipitated with ab184556 at 1/50 dilution.

Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution.

Immunoprecipitation - Anti-Nogo Receptor antibody  
[EPR11159] (ab184556)

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 Receptor antibody [EPR11159]  
(ab184556)

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

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