

## Product datasheet

# Anti-Neurologin 3 antibody [EPR16158] ab192880

Recombinant RabMAb

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### Overview

<b>Product name</b>	Anti-Neurologin 3 antibody [EPR16158]
<b>Description</b>	Rabbit monoclonal [EPR16158] to Neurologin 3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<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>	WB: Human hippocampus and Human pancreas lysates, Mouse and Rat brain tissue.
<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>	EPR16158
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab192880 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		1/1000 - 1/2000. Detects a band of approximately 94 kDa (predicted molecular weight: 94 kDa).

## Target

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### Function

Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and may mediate its effects by clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. May also play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system.

### Tissue specificity

Expressed in the blood vessel walls (at protein level). Detected in throughout the brain and in spinal cord. Detected in brain, and at lower levels in pancreas islet beta cells.

### Involvement in disease

Autism, X-linked 1 (AUTSX1) [MIM:300425]: A complex multifactorial, pervasive developmental disorder characterized by impairments in reciprocal social interaction and communication, restricted and stereotyped patterns of interests and activities, and the presence of developmental abnormalities by 3 years of age. Most individuals with autism also manifest moderate mental retardation. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry.

X-linked Asperger syndrome 1 (ASPGX1) [MIM:300494]: Considered to be a form of childhood autism. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry.

### Sequence similarities

Belongs to the type-B carboxylesterase/lipase family.

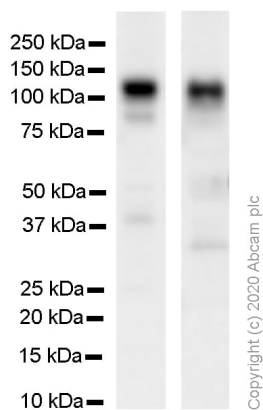
### Cellular localization

Cell membrane. Cell junction > synapse. Detected at both glutamatergic and GABAergic synapses.

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## Images

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Western blot - Anti-Neurologin 3 antibody [EPR16158] (ab192880)

**All lanes :** Anti-Neurologin 3 antibody [EPR16158] (ab192880) at 1.916 µg/ml

**Lane 1 :** Mouse brain tissue lysate

**Lane 2 :** Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

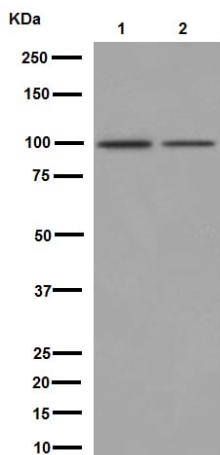
**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

**Predicted band size:** 94 kDa

**Observed band size:** 110 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM /TBST



Western blot - Anti-Neurologin 3 antibody [EPR16158] (ab192880)

**All lanes :** Anti-Neurologin 3 antibody [EPR16158] (ab192880) at 1/2000 dilution

**Lane 1 :** Human hippocampus lysate

**Lane 2 :** Human pancreas lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

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

**Predicted band size:** 94 kDa

**Observed band size:** 94 kDa

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-Neuroigin 3 antibody [EPR16158] (ab192880)

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

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