

## Product datasheet

### Anti-Neurocan antibody [EPR6397] ab125021

Recombinant RabMAb

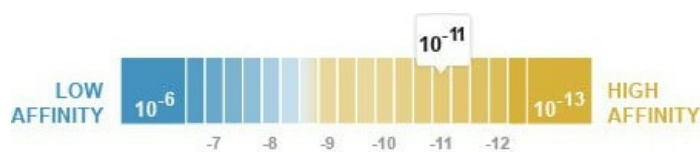
[2 References](#) [4 Images](#)

#### Overview

Product name	Anti-Neurocan antibody [EPR6397]
Description	Rabbit monoclonal [EPR6397] to Neurocan
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IHC-P
Species reactivity	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
Immunogen	Synthetic peptide within Human Neurocan aa 1-100. The exact sequence is proprietary.
Positive control	Human hippocampus and hypothalamus lysates; Human brain tissue
General notes	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> .

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K <sub>D</sub> )	K <sub>D</sub> = 3.20 x 10 <sup>-11</sup> M



[Learn more about K<sub>D</sub>](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture
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	supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6397
<b>Isotype</b>	IgG

## Applications

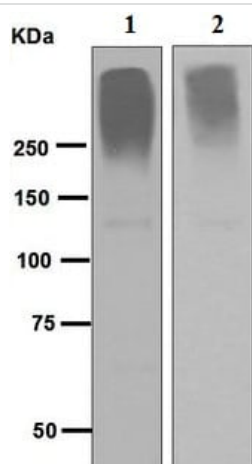
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab125021 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		1/10000 - 1/50000. Detects a band of approximately 130, 270 kDa (predicted molecular weight: 143 kDa).
<b>IHC-P</b>		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## Target

<b>Function</b>	May modulate neuronal adhesion and neurite growth during development by binding to neural cell adhesion molecules (NG-CAM and N-CAM). Chondroitin sulfate proteoglycan; binds to hyaluronic acid.
<b>Tissue specificity</b>	Brain.
<b>Sequence similarities</b>	Belongs to the aggrecan/versican proteoglycan family. Contains 1 C-type lectin domain. Contains 2 EGF-like domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain. Contains 2 Link domains. Contains 1 Sushi (CCP/SCR) domain.
<b>Cellular localization</b>	Secreted.

## Images



Western blot - Anti-Neurocan antibody [EPR6397] (ab125021)

**All lanes :** Anti-Neurocan antibody [EPR6397] (ab125021) at 1/10000 dilution

**Lane 1 :** Human hippocampus lysate

**Lane 2 :** Human hypothalamus lysate

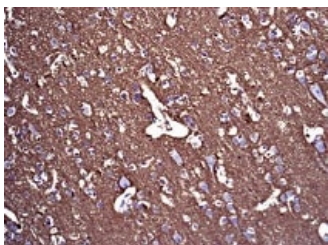
Lysates/proteins at 10 µg per lane.

#### Secondary

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

**Predicted band size:** 143 kDa

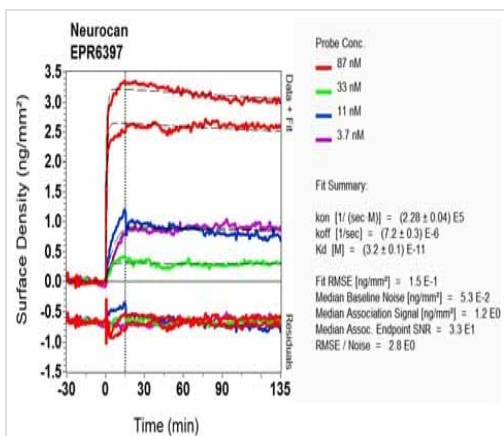
**Observed band size:** 130,270 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurocan antibody [EPR6397] (ab125021)

ab125021, at 1/250 dilution, staining Neurocan in paraffin-embedded Human brain tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



SPR Scanning - Anti-Neurocan antibody

[EPR6397] (ab125021)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

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-Neurocan antibody [EPR6397] (ab125021)

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

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- Response to your inquiry within 24 hours

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- Extensive multi-media technical resources to help you
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