abcam

Product datasheet

Anti-Neurocan antibody [EPR6397] - BSA and Azide free ab248101

Recombinant RabMAb

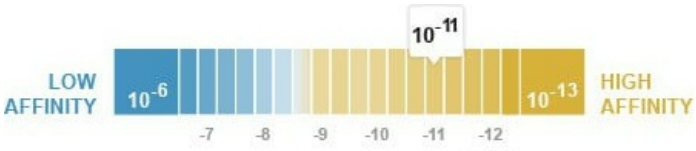
4 Images

Overview

Product name	Anti-Neurocan antibody [EPR6397] - BSA and Azide free
Description	Rabbit monoclonal [EPR6397] to Neurocan - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Human **Does not react with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab248101 is the carrier-free version of **ab125021**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	$K_D = 3.20 \times 10^{-11}$ M



Learn more about K_D

Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6397
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248101 in the following tested applications.

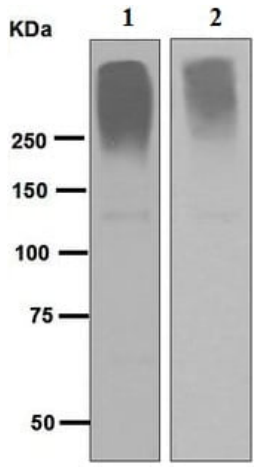
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 130, 270 kDa (predicted molecular weight: 143 kDa).

Target

Function	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.
Tissue specificity	Brain.
Sequence similarities	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.
Cellular localization	Secreted.

Images



Western blot - Anti-Neurocan antibody [EPR6397] - BSA and Azide free (ab248101)

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

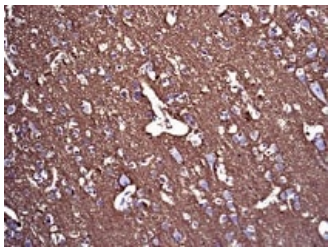
Lane 1 : Human hippocampus lysate
Lane 2 : Human hypothalamus lysate

Lysates/proteins at 10 µg per lane.

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

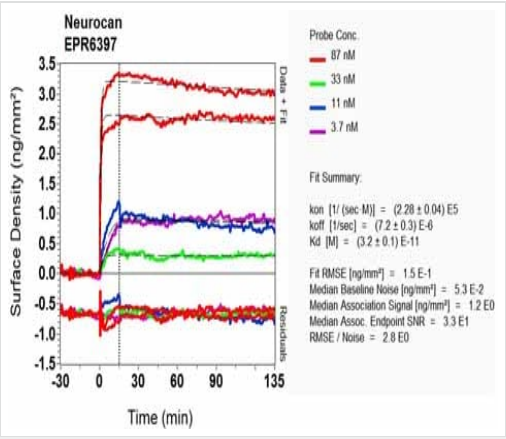
Predicted band size: 143 kDa
Observed band size: 130,270 kDa

This data was developed using **ab125021**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurocan antibody [EPR6397] - BSA and Azide free (ab248101)

This data was developed using **ab125021**, the same antibody clone in a different buffer formulation.**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.

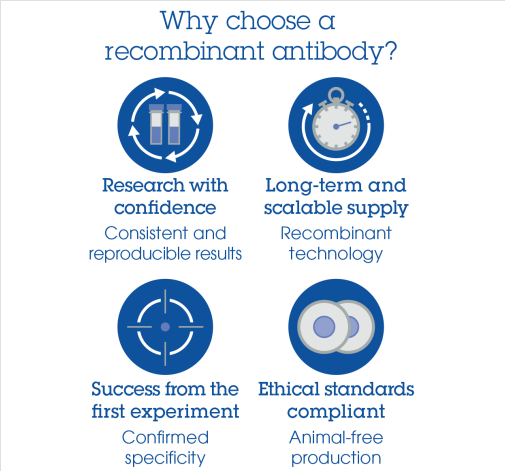


OI-RD Scanning - Anti-Neurocan antibody [EPR6397] - BSA and Azide free (ab248101)

This data was developed using **ab125021**, the same antibody clone in a different buffer formulation.Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D



Anti-Neurocan antibody [EPR6397] - BSA and Azide free (ab248101)

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