abcam

Product datasheet

Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free ab215369

Recombinant RabMAb

3 References 7 Images

Overview

Product name	Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free
Description	Rabbit monoclonal [EPR4219] to Tenascin C - Low endotoxin, Azide free
Host species	Rabbit
Specificity	IHC on human tissues which we tested (such as testis, pancreas and stomach) showed non-specific staining. We don't recommend this antibody for IHC on human tissues.
Tested applications	**Suitable for:** WB, IHC-P, IHC-Fr
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human testis tissue; Human fetal brain lysate.
General notes	ab215369 is the carrier-free version of **ab108930**. 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**.

Our **Low endotoxin, azide-free formats** have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4219
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab215369 in the following tested applications.

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

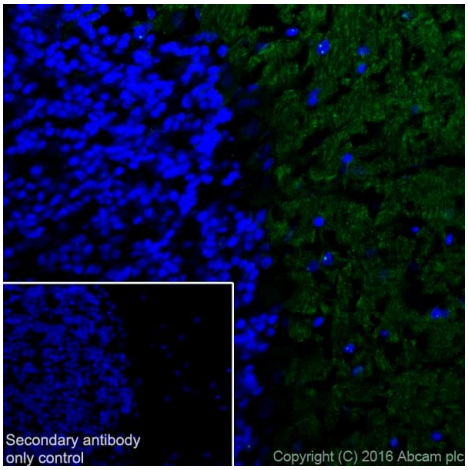
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 241 kDa.
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

Target

Function	Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1, alpha-V/beta-3 and alpha-V/beta-6.
Sequence similarities	Belongs to the tenascin family. Contains 15 EGF-like domains. Contains 1 fibrinogen C-terminal domain. Contains 15 fibronectin type-III domains.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images

Images

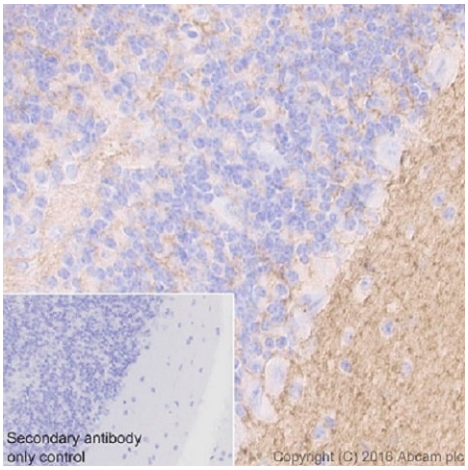


Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free (ab215369)

Immunohistochemistry (Frozen sections) analysis of rat cerebellar cortex labeling Tenascin C with **ab108930** at 1/100 dilution (4.27µg/ml). Tissue was fixed with 4% PFA and permeabilized with 0.2% TritonX-100. Antigen retrieval was performed using a heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20). **ab150077**, an Alexa Fluor® 488 Goat anti-Rabbit secondary antibody was used at 1/1000 (2 µg/ml). DAPI nuclear counterstain.

Positive staining on the molecular layer of rat cerebellar cortex (PMID: 1372043) is observed.

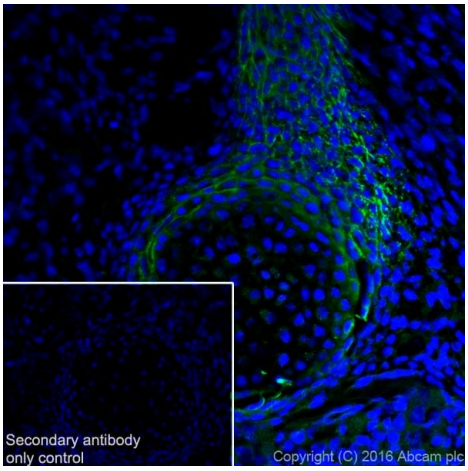
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108930**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free (ab215369)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebellar cortex labeling Tenascin C with **ab108930** at 1/500 dilution (0.854 µg/ml). Heat mediated antigen retrieval was performed using Tris/EDTA buffer, pH 9 (**ab93684**). Hematoxylin was used to counterstain. A ready to use Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used. Staining on the molecular layer of mouse cerebellar cortex (PMID: 1372043) is observed.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108930**).

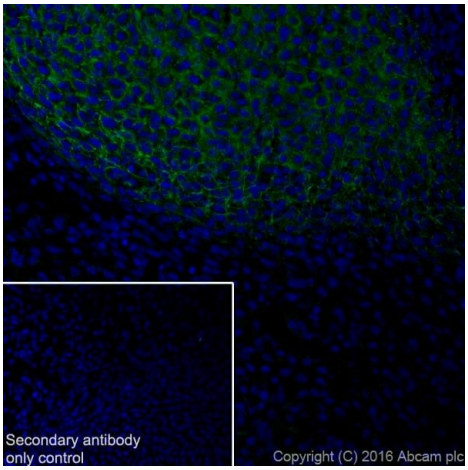


Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free (ab215369)

Immunohistochemistry (Frozen sections) analysis of mouse E14 spinal cord labeling Tenascin C with **ab108930** at 1/100 dilution (4.27µg/ml). Tissue was fixed with 4% PFA and permeabilized with 0.2% TritonX-100. Antigen retrieval was performed using a heated citrate solution (10mM citrate PH 6.0 + 0.05% Tween-20). **ab150077**, an Alexa Fluor® 488 Goat anti-Rabbit secondary antibody was used at 1/1000 (2 µg/ml). DAPI nuclear counterstain.

Positive staining on mesenchymal condensations during chondrogenesis of mouse E14 embryo (PMID: 9822997; PMID: 19586317; PMID: 24778247) is observed.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108930**).



Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free (ab215369)

Immunohistochemistry (Frozen sections) analysis of mouse E14 cerebellar cortex labeling Tenascin C with **ab108930** at 1/100 dilution (4.27µg/ml). Tissue was fixed with 4% PFA and permeabilized with 0.2% TritonX-100. Antigen retrieval was performed using a heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20). **ab150077**, an Alexa Fluor® 488 Goat anti-Rabbit secondary antibody was used at 1/1000 (2 µg/ml). DAPI nuclear counterstain.

Positive staining on the molecular layer of mouse E14 cerebellar cortex (PMID: 1372043) is observed.

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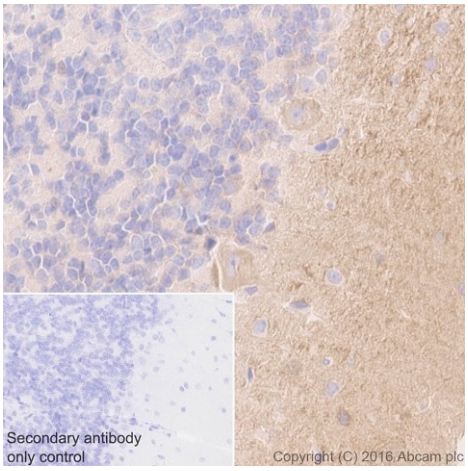

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free (ab215369)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebellar cortex labeling Tenascin C with **ab108930** at 1/500 dilution (0.854 µg/ml). Heat mediated antigen retrieval was performed using Tris/EDTA Buffer, pH 9 (**ab93684**). A ready to use Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used. Hematoxylin counterstain. Staining on the molecular layer of rat cerebellar cortex (PMID: 1372043) is observed.

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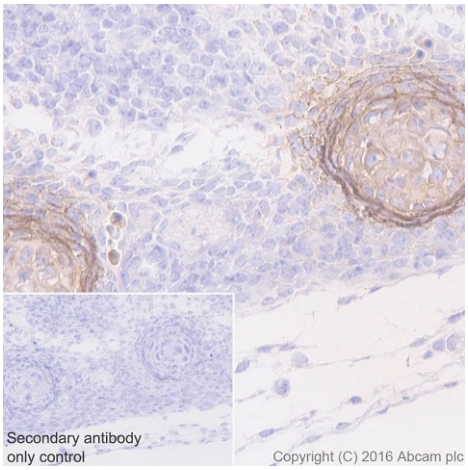

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tenascin C antibody [EPR4219] - Low endotoxin, Azide free (ab215369)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse E14 spinal cord tissue sections labeling Tenascin C with **ab108930** at 1/500 dilution (0.854 µg/ml). Heat mediated antigen retrieval was performed using Tris/EDTA buffer, pH 9 (**ab93684**). A ready to use Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used. Hematoxylin counterstain.

Positive staining on mesenchymal condensations during chondrogenesis of mouse E14 embryo (PMID: 9822997; PMID: 19586317; PMID: 24778247) is observed.

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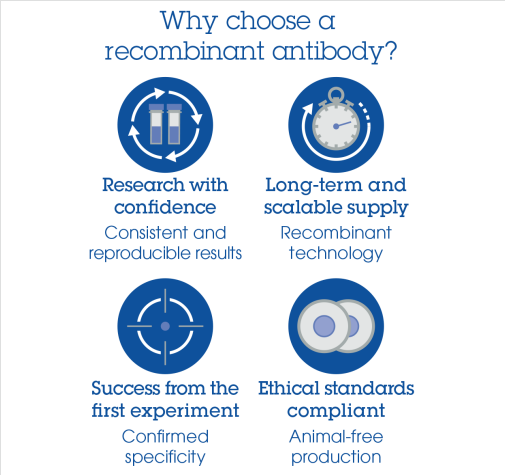

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