

Product datasheet

Anti-Tenascin C antibody [EPR4219] ab108930

Recombinant **RabMAb**

★★★★☆ **16 Abreviews** **81 References** [11 Images](#)

Overview

Product name	Anti-Tenascin C antibody [EPR4219]
Description	Rabbit monoclonal [EPR4219] to Tenascin C
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: IHC-P, WB, IHC-Fr Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-Fr: Mouse E14 spinal cord and cerebellar cortex tissue; Rat cerebellar cortex tissue. IHC-P: Rat cerebellar cortex tissue; Mouse E14 spinal cord and cerebellar cortex tissue. WB: U87-MG cell lysate; Postnatal mouse cerebellum lysate; Postnatal rat brain lysate; Human fetal brain lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.05% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR4219
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108930 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

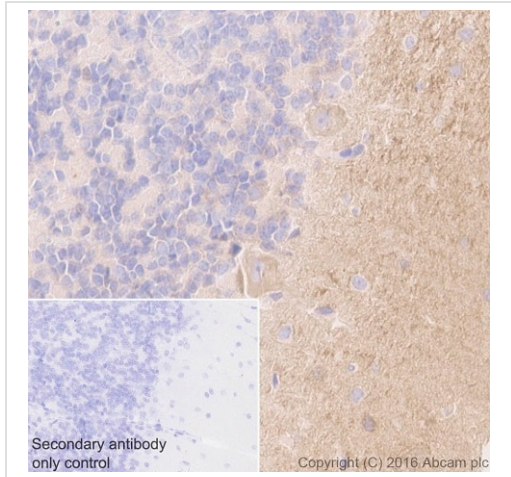
Application	Abreviews	Notes
IHC-P	★★★★★ (10)	Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Predicted molecular weight: 241 kDa.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.

Application notes Is unsuitable for ICC/IF or IP.

Target

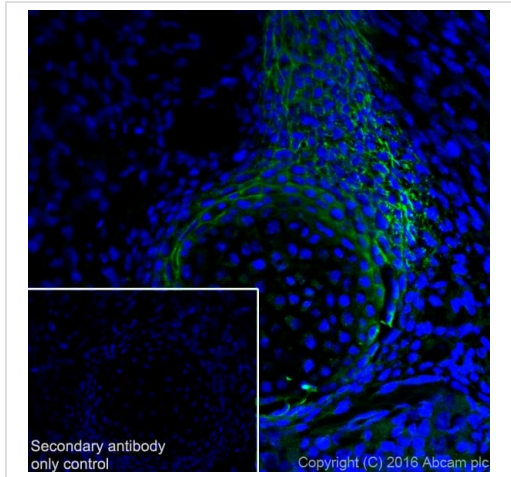
Function	Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1, 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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tenascin C antibody [EPR4219] (ab108930)

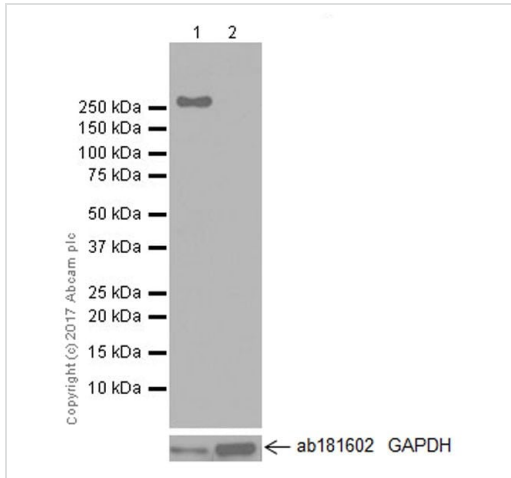
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebellar cortex labeling Tenascin C with ab108930 at 1/500 dilution (0.854 µg/ml). Heat mediated antigen retrieval was performed using Tris/EDTA Buffer, pH 9 ([ab93684](#)). A ready to use Goat Anti-Rabbit IgG H&L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



Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] (ab108930)

Immunohistochemistry (Frozen sections) analysis of mouse E14 spinal cord labeling Tenascin C with ab108930 at 1/100 dilution (4.27 µg/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 AlexaFluor® 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.



Western blot - Anti-Tenascin C antibody [EPR4219] (ab108930)

All lanes : Anti-Tenascin C antibody [EPR4219] (ab108930) at 1/1000 dilution

Lane 1 : Human fetal brain

Lane 2 : Human liver

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

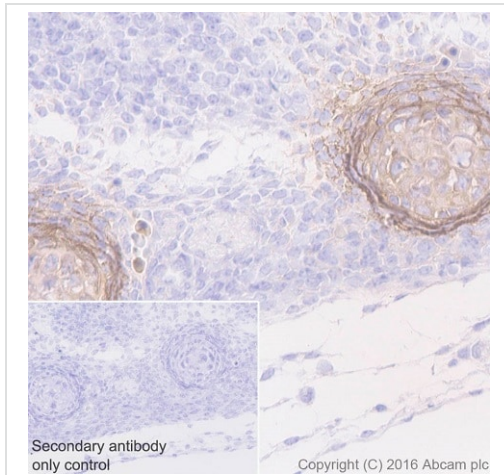
Predicted band size: 241 kDa

Observed band size: 250 kDa

Exposure time: 3 minutes

Blocking and diluting buffer and concentration: 5% NFDM /TBST.

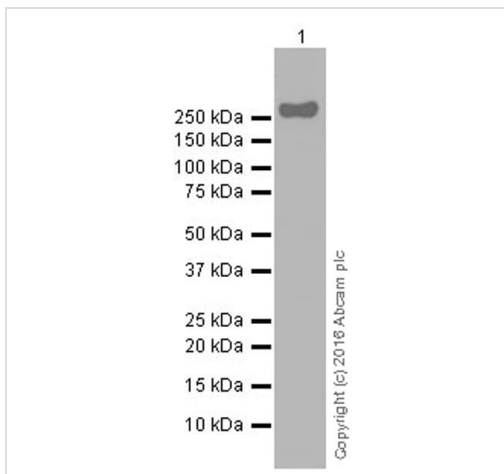
Liver is negative control (PMID: 1717349). The molecular weight observed is consistent with what has been described in the literature (PMID: 10462531).



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.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tenascin C antibody [EPR4219] (ab108930)



Western blot - Anti-Tenascin C antibody [EPR4219] (ab108930)

Anti-Tenascin C antibody [EPR4219] (ab108930) at 1/1000 dilution + U87-MG (human glioblastoma) whole cell lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

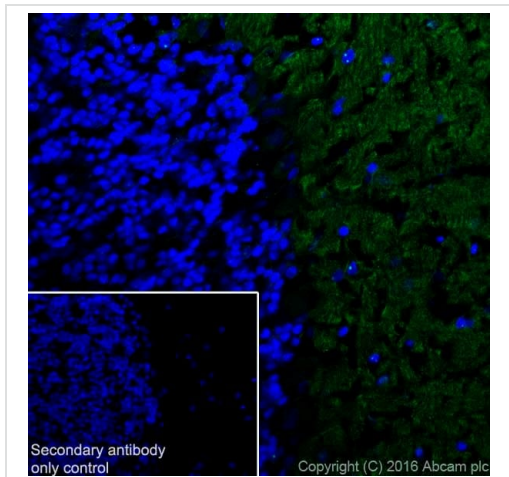
Predicted band size: 241 kDa

Observed band size: 250 kDa

Exposure time: 3 minutes

Blocking and diluting buffer and concentration: 5% NFDM /TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID: 10462531).

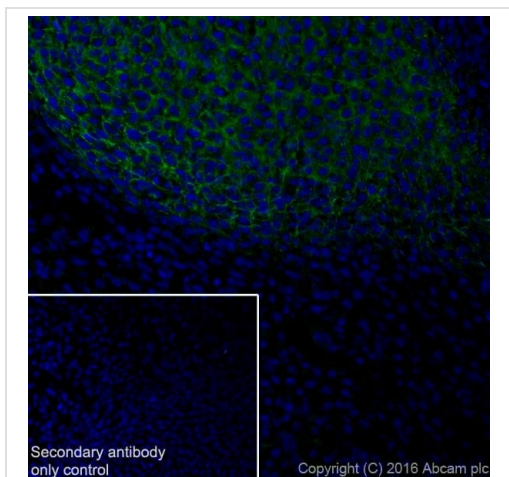


Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] (ab108930)

Immunohistochemistry (Frozen sections) analysis of rat cerebellar cortex labeling Tenascin C with ab108930 at 1/100 dilution (4.27 µg/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 AlexaFluor® 488 Goat anti-Rabbit secondary antibody was used at 1/1000 (2 µg/ml). DAPI nuclear counterstain.

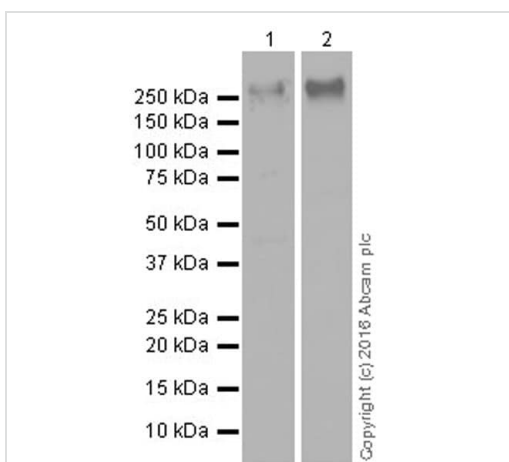
Positive staining on the molecular layer of rat cerebellar cortex (PMID: 1372043) is observed.



Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] (ab108930)

Immunohistochemistry (Frozen sections) analysis of mouse E14 cerebellar cortex labeling Tenascin C with ab108930 at 1/100 dilution (4.27 µg/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 AlexaFluor® 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.



Western blot - Anti-Tenascin C antibody [EPR4219] (ab108930)

All lanes : Anti-Tenascin C antibody [EPR4219] (ab108930) at 1/1000 dilution

Lane 1 : Postnatal (P0) mouse cerebellum

Lane 2 : Postnatal (P0) rat brain

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 241 kDa

Observed band size: 250 kDa

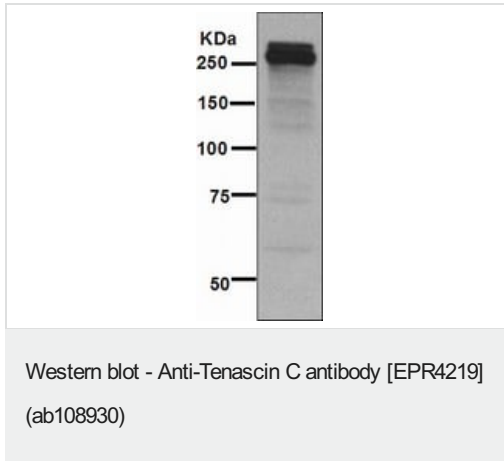
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure Time:

Lane 1: 15 seconds

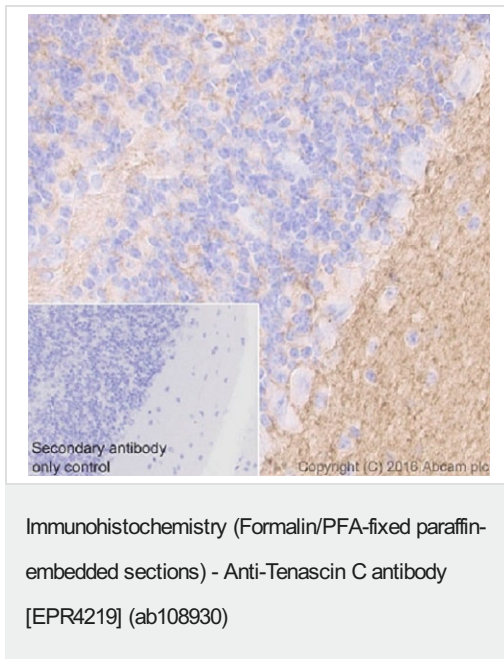
Lane 2: 30 seconds

The molecular weight observed is consistent with what has been described in the literature (PMID: 10462531).



Anti-Tenascin C antibody [EPR4219] (ab108930) at 1/1000 dilution
+ Human fetal brain lysate at 10 µg

Predicted band size: 241 kDa



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.

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-Tenascin C antibody [EPR4219] (ab108930)

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

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