

### Anti-Tenascin C antibody [EPR4219] ab108930

リコンビナント **RabMAb**

★★★★☆ **16 Abreviews** **81 References** 画像数 11

#### 製品の概要

製品名	Anti-Tenascin C antibody [EPR4219]
製品の詳細	Rabbit monoclonal [EPR4219] to Tenascin C
由来種	Rabbit
特異性	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.
アプリケーション	<b>適用あり:</b> IHC-P, WB, IHC-Fr <b>適用なし:</b> ICC/IF or IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	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.
特記事項	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> .

#### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.05% BSA
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR4219
アイソタイプ	IgG

## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab108930の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

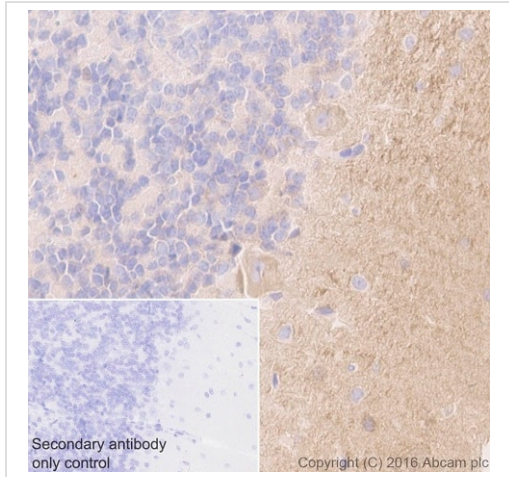
アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (10)	Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Predicted molecular weight: 241 kDa.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.

**追加情報**      Is unsuitable for ICC/IF or IP.

## ターゲット情報

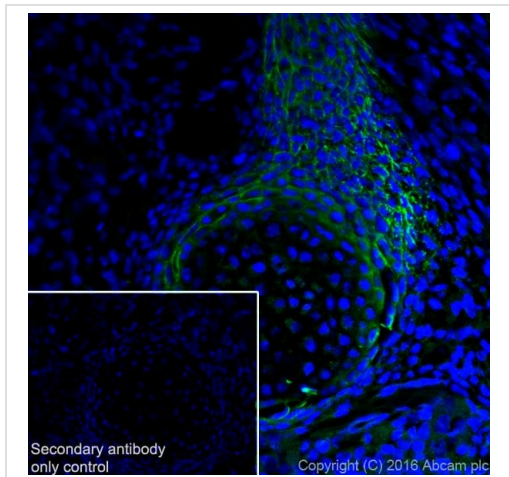
<b>機能</b>	Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1,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

## 画像



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

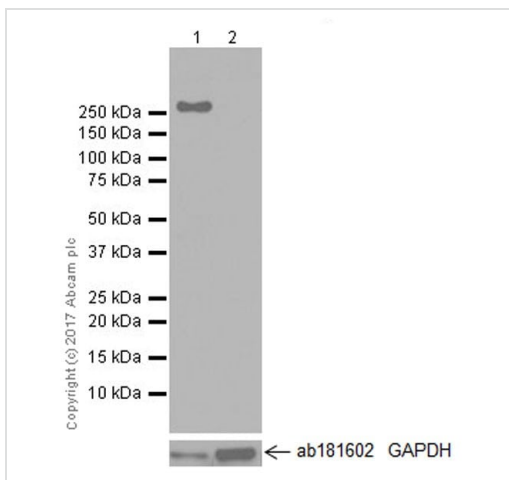
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebellar cortex labeling Tenascin C with ab108930 at 1/500 dilution (0.854 µg/ml). Heat mediated antigen retrieval was performed using Tris/EDTA Buffer, pH 9 ([ab93684](#)). A ready to use Goat Anti-Rabbit IgG H&L (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

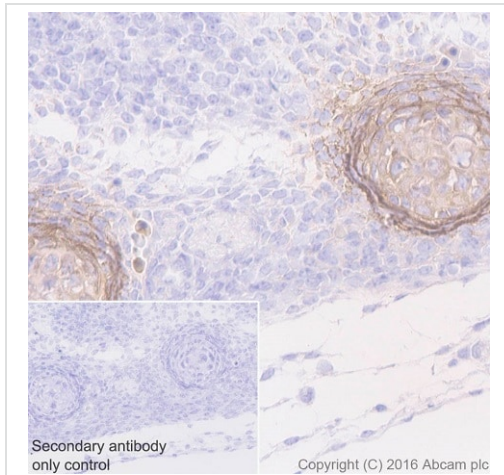
**Predicted band size:** 241 kDa

**Observed band size:** 250 kDa

**Exposure time:** 3 minutes

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

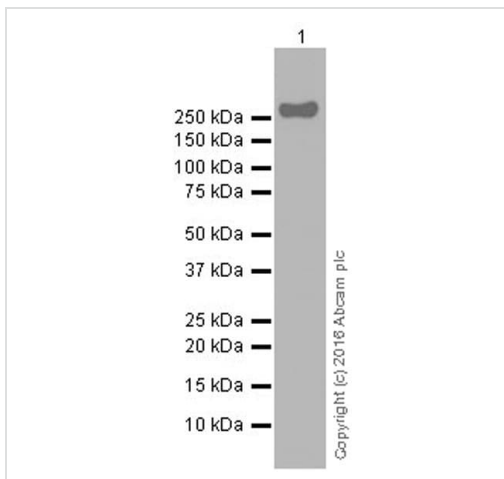
Liver is negative control (PMID: 1717349). The molecular weight observed is consistent with what has been described in the literature (PMID: 10462531).



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

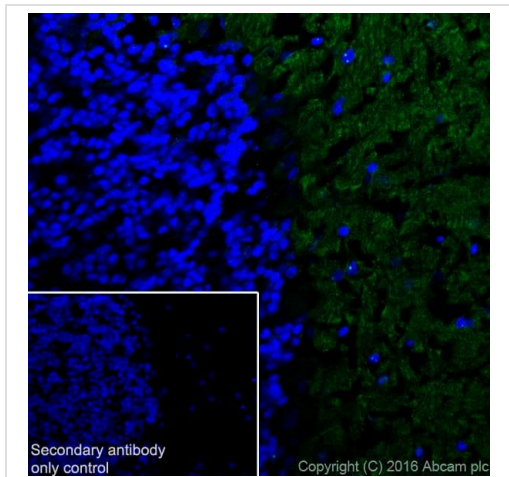
**Predicted band size:** 241 kDa

**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).

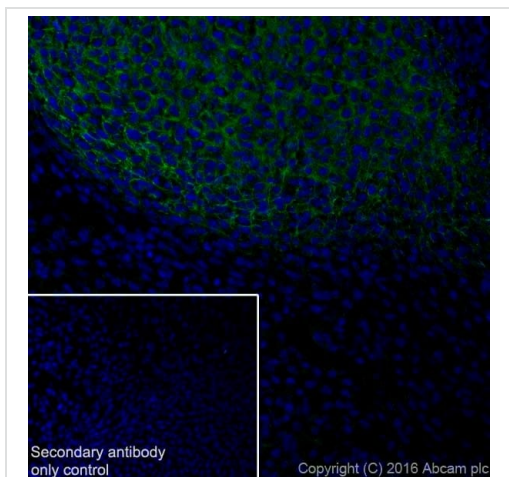


Immunohistochemistry (Frozen sections) - Anti-Tenascin C antibody [EPR4219] (ab108930)

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.

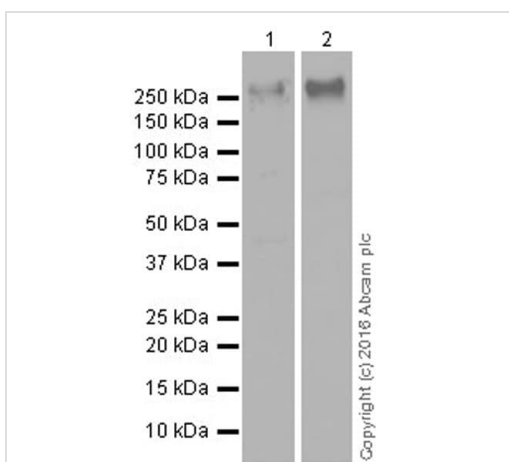
Positive staining on the molecular layer of rat cerebellar cortex (PMID: 1372043) is observed.



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

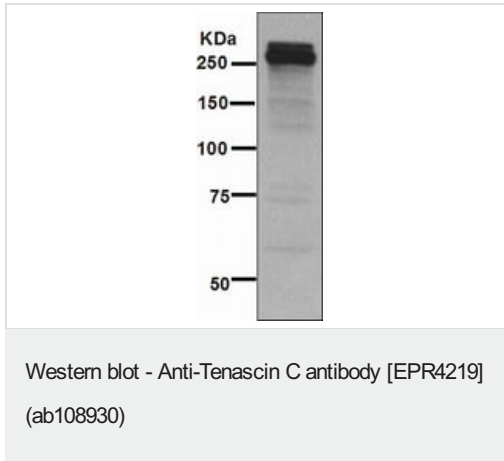
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure Time:

Lane 1: 15 seconds

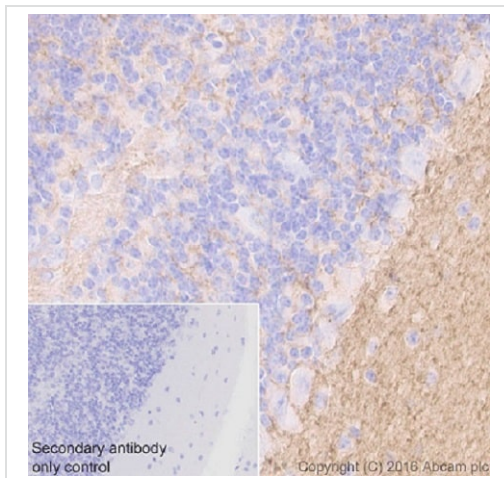
Lane 2: 30 seconds

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)

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