

### Anti-Otx1 antibody [EPR3347] ab92515

リコンビナント RabMAb<sup>®</sup>

**3 References** [画像数 10](#)

#### 製品の概要

製品名	Anti-Otx1 antibody [EPR3347]
製品の詳細	Rabbit monoclonal [EPR3347] to Otx1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, 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	WB: Y79 whole cell lysate and Otx1 recombinant protein. IHC-P: Human retina, human retinoblastoma, human cerebral cortex, mouse retina, mouse E14.5 choroid plexus and rat E14.5 choroid plexus. IP: Y79 whole cell lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### 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: 59% PBS, 40% Glycerol (glycerin, glycerine), 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	EPR3347
アイソタイプ	IgG

#### アプリケーション

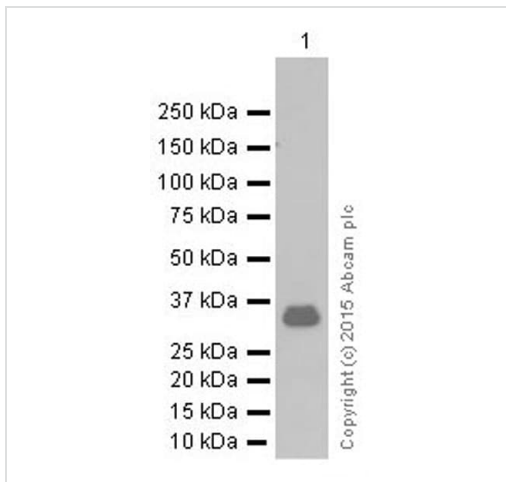
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab92515の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 32 kDa.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. We recommend 1/500 dilution for human and mouse tissues, and 1/1000 for rat tissues.
IP		1/20.

#### ターゲット情報

機能	Probably plays a role in the development of the brain and the sense organs. Can bind to the BCD target sequence (BTS): 5'-TCTAATCCC-3'.
組織特異性	Expressed in brain.
配列類似性	Belongs to the paired homeobox family. Bicoid subfamily. Contains 1 homeobox DNA-binding domain.
発生段階	Embryo.
細胞内局在	Nucleus.

#### 画像



Western blot - Anti-Otx1 antibody [EPR3347] (ab92515)

Anti-Otx1 antibody [EPR3347] (ab92515) at 1/2500 dilution (purified) + Y79 cell lysate at 10 µg

**Secondary**

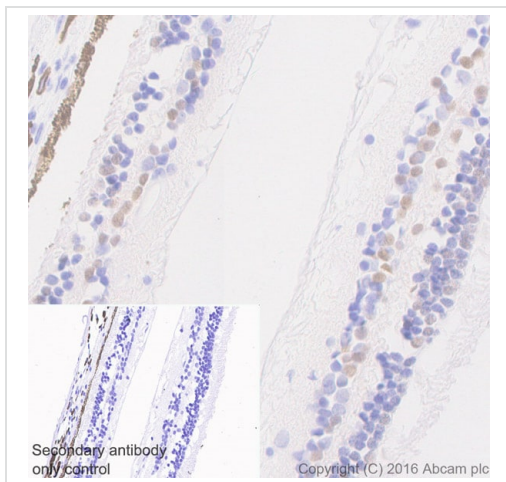
HRP goat anti-rabbit IgG (H+L) at 1/20000 dilution

**Predicted band size:** 32 kDa

**Observed band size:** 32 kDa

Blocking buffer: 5% NFDM/TBST

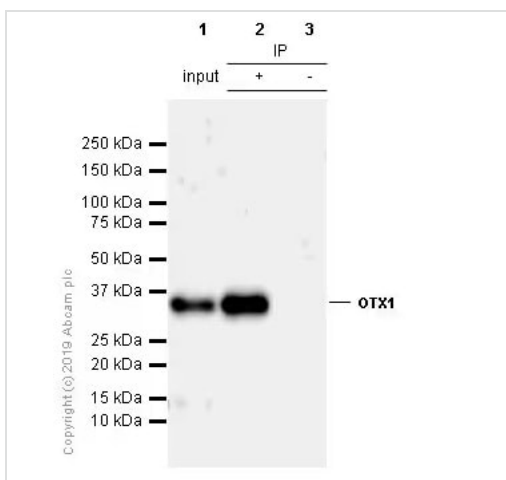
Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Otx1 antibody [EPR3347] (ab92515)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human retina tissue labelling Otx1 with purified ab92515 at a dilution 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9 ([ab93684](#)). [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Counterstained with hematoxylin.

Nuclear staining on inner nuclear layer and outer nuclear layer of the human retina.



Immunoprecipitation - Anti-Otx1 antibody [EPR3347] (ab92515)

Otx1 was immunoprecipitated from Y79 (Human retinoblastoma retinoblastoma) whole cell lysate with ab92515 at 1/20 dilution.

Western blot was performed from the immunoprecipitate using ab92515 at 1/500 dilution. Secondary antibody details ([ab131366](#)), was used as secondary antibody at 1/1000 dilution.

Blocking/Diluting Buffer and concentration: 5% NFDM /TBST.

**Lanes 1-2 :** Anti-Otx1 antibody [EPR3347] (ab92515) at 1/500 dilution (purified)

**Lane 3 :** Rabbit monoclonal IgG ([ab172730](#)) instead of ab92515

**Lane 1 :** Y79 (Human retinoblastoma retinoblastoma) whole cell

lysate

**Lanes 2-3** : Y79 whole cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Anti-Otx1 antibody [EPR3347] (ab92515) at 1 µg/ml (unpurified) + OTX1 Recombinant Protein at 0.1 µg

**Secondary**

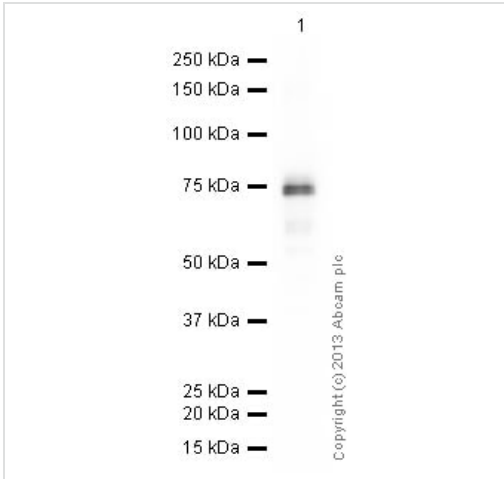
Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

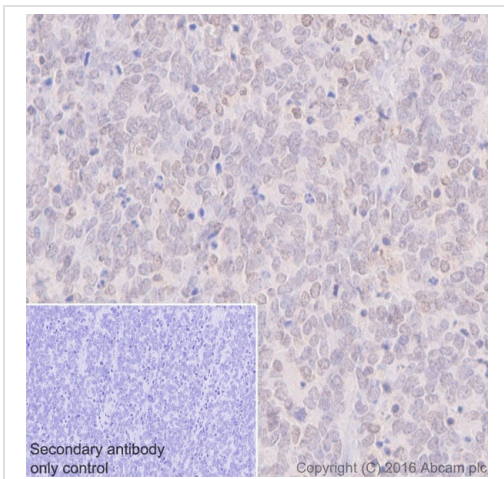
Performed under reducing conditions.

**Predicted band size:** 32 kDa

**Observed band size:** 75 kDa



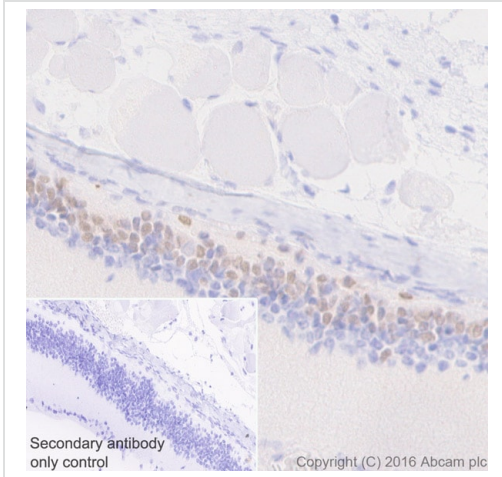
Western blot - Anti-Otx1 antibody [EPR3347] (ab92515)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Otx1 antibody [EPR3347] (ab92515)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human retinoblastoma tissue labelling Otx1 with purified ab92515 at a dilution 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9 (**ab93684**). **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Counterstained with hematoxylin.

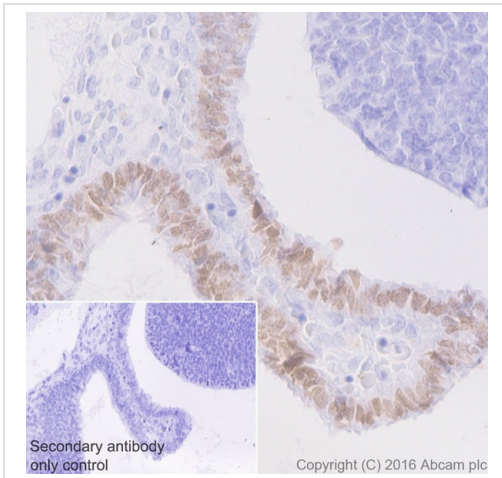
Nuclear staining on tumor cells of human retinoblastoma.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Otx1 antibody [EPR3347] (ab92515)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse retina tissue labelling Otx1 with purified ab92515 at a dilution 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9 ([ab93684](#)). [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Counterstained with hematoxylin.

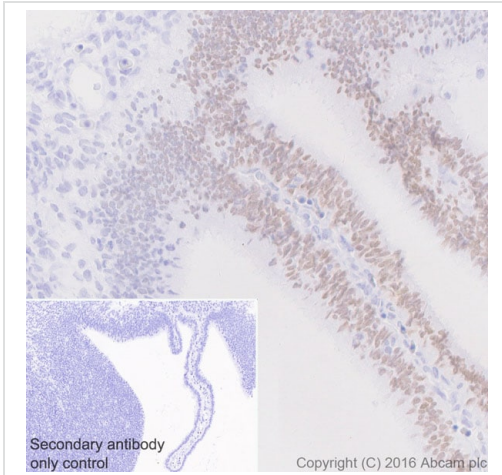
Nuclear staining on nuclear layer of the mouse retina.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Otx1 antibody [EPR3347] (ab92515)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse E14.5 choroid plexus tissue labelling Otx1 with purified ab92515 at a dilution 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9 ([ab93684](#)). [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Counterstained with hematoxylin.

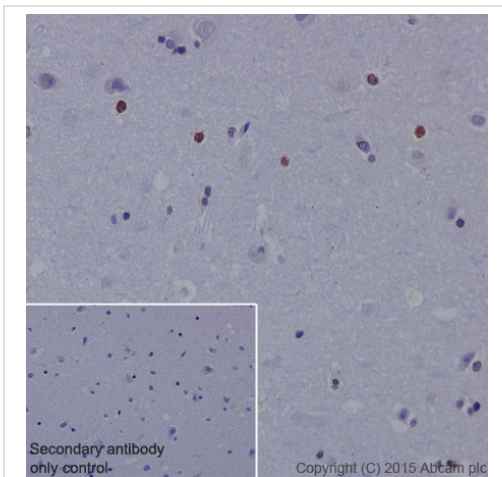
Nuclear staining on mouse E14.5 choroid plexus.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat E14.5 choroid plexus tissue labelling Otx1 with purified ab92515 at a dilution 1/1000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9 ([ab93684](#)). [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Counterstained with hematoxylin.

Nuclear staining on rat E14.5 choroid plexus.





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Otx1 antibody [EPR3347] (ab92515)



Immunohistochemical staining of paraffin embedded human cerebral cortex with purified ab92515 at a working dilution of 1/250. The secondary antibody used is HRP goat anti-rabbit IgG H&L ([ab97051](#)) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Otx1 antibody [EPR3347] (ab92515)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Otx1 antibody [EPR3347] (ab92515)

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

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