

## Product datasheet

# Anti-SOX11 antibody [EPR8191(2)] ab170916

Recombinant RabMAb

[3 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-SOX11 antibody [EPR8191(2)]
<b>Description</b>	Rabbit monoclonal [EPR8191(2)] to SOX11
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IP, WB <b>Unsuitable for:</b> ICC/IF or IHC
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human SOX11 aa 1-100 (N terminal) (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">P35716</a>
<b>Positive control</b>	WB: Human fetal brain tissue lysate and Y79 cell lysate. ICC/IF: SH-SY5Y cells. Flow Cyt: SH-SY5Y cells.
<b>General notes</b>	<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>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise<sup>™</sup> guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been "predicted to work</p>

with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR8191(2)
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab170916** 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
Flow Cyt		1/60.
IP		1/10 - 1/100.
WB		1/1000 - 1/10000. Predicted molecular weight: 47 kDa.

**Application notes** Is unsuitable for ICC/IF or IHC.

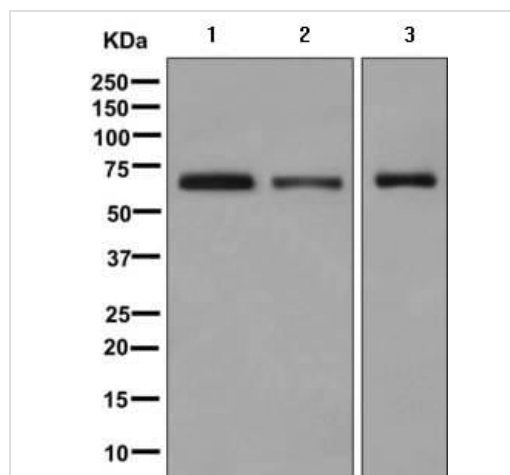
## Target

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<b>Function</b>	Probably important in the developing nervous system. May also have a role in tissue modeling during development.
<b>Tissue specificity</b>	Expressed mainly in the nervous system.
<b>Sequence similarities</b>	Contains 1 HMG box DNA-binding domain.
<b>Cellular localization</b>	Nucleus.

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## Images



Western blot - Anti-SOX11 antibody [EPR8191(2)] (ab170916)

**All lanes** : Anti-SOX11 antibody [EPR8191(2)] (ab170916) at 1/1000 dilution

**Lane 1** : Human fetal brain tissue lysate

**Lane 2** : SH SY5Y cell lysate

**Lane 3** : Y79 cell lysate

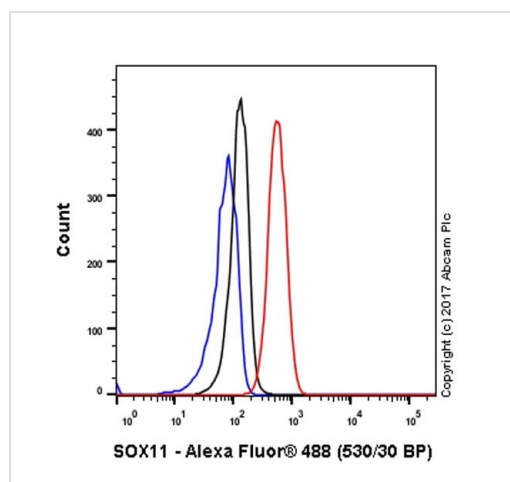
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat anti-rabbit HRP conjugated antibody at 1/2000 dilution

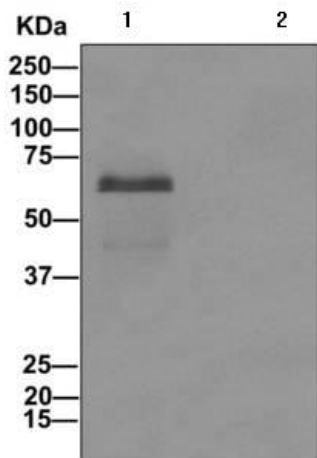
Developed using the ECL technique.

**Predicted band size:** 47 kDa



Flow Cytometry - Anti-SOX11 antibody [EPR8191(2)] (ab170916)

Flow cytometry analysis of SH-SY5Y ( Human neuroblastoma epithelial cell) cells labeling SOX11 (red) with ab170916 at a 1/60 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (Black) (ab172730). Blue (unlabeled control) - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-SOX11 antibody  
[EPR8191(2)] (ab170916)

Lane 1 Primary: ab170916, 1/1000 dilution

Sample: Immunoprecipitation pellet from Human fetal brain lysate using ab170916 at 1/10.

Secondary: HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Lane 2 Primary: ab170916, 1/1000 dilution

Sample: Immunoprecipitation pellet from PBS using ab170916 at 1/10 (negative control).

Secondary: HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit

### 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-SOX11 antibody [EPR8191(2)] (ab170916)

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

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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