


## Product datasheet

### Anti-VAX2 antibody [EPR10424] ab154855

Recombinant **RabMAb**

★ ★ ★ ★ ★ **1 Abreviews** [3 Images](#)

#### Overview

<b>Product name</b>	Anti-VAX2 antibody [EPR10424]
<b>Description</b>	Rabbit monoclonal [EPR10424] to VAX2
<b>Host species</b>	Rabbit
<b>Specificity</b>	The alignment of the immunogen sequence of ab154855 and human and rat VAX1 shows a high homology of 92% (human) and 93% (rat). Based on the sequence, a cross-reaction of ab154855 with VAX1 is very likely, although this has not been experimentally tested by us.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF <b>Unsuitable for:</b> Flow Cyt, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Jurkat, HeLa, Y79 cell lysates; Y79 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>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<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>	EPR10424
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab154855 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
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 31 kDa.
<b>ICC/IF</b>		1/100 - 1/250.

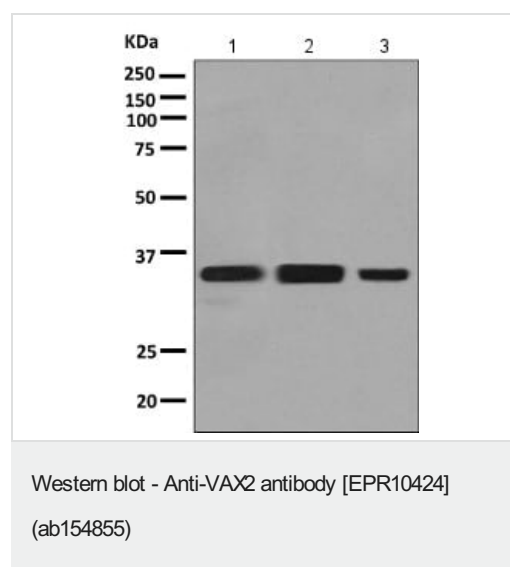
**Application notes** Is unsuitable for Flow Cyt, IHC-P or IP.

## Target

**Relevance** VAX2 belongs to the EMX homeobox family and contains 1 homeobox DNA-binding domain. VAX2 gene has high sequence similarity to VAX1 gene and is almost exclusively expressed in the ventral portion of the retina during development. It may play an important role in morphogenetic processes underlying the correct development of the eye, particularly in the establishment of a correct dorsoventral pattern and may be a regulator of axial polarization in the retina.

**Cellular localization** Nuclear

## Images



**All lanes** : Anti-VAX2 antibody [EPR10424] (ab154855) at 1/1000 dilution

**Lane 1** : Jurkat cell lysate

**Lane 2** : HeLa cell lysate

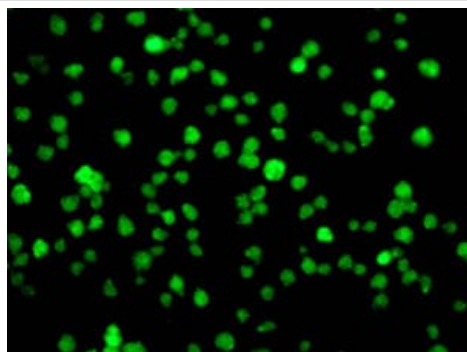
**Lane 3** : Y79 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 31 kDa



Immunofluorescent analysis of Y79 cells labeling VAX2 with ab154855 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-VAX2 antibody [EPR10424] (ab154855)

#### 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-VAX2 antibody [EPR10424] (ab154855)

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

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- Extensive multi-media technical resources to help you
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