

### Anti-BOB1 antibody [EPR17685] ab203110

Recombinant RabMAb

7 Images

#### Overview

<b>Product name</b>	Anti-BOB1 antibody [EPR17685]
<b>Description</b>	Rabbit monoclonal [EPR17685] to BOB1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: RAMOS, Raji, Human lymph node or Human bone marrow whole cell lysate. IHC: Human Non-Hodgkin lymphoma of B- lineage or Human colon tissue.
<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>

#### Properties

<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>	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR17685
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab203110 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
WB		1/5000. Detects a band of approximately 35 kDa (predicted molecular weight: 27 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

### Function

Transcriptional coactivator that specifically associates with either OCT1 or OCT2. It boosts the OCT1 mediated promoter activity and to a lesser extent, that of OCT2. It has no intrinsic DNA-binding activity. It recognizes the POU domains of OCT1 and OCT2. It is essential for the response of B-cells to antigens and required for the formation of germinal centers.

### Tissue specificity

B-cell specific.

### Involvement in disease

Note=A chromosomal aberration involving POU2AF1/OBF1 may be a cause of a form of B-cell leukemia. Translocation t(3;11)(q27;q23) with BCL6.

### Sequence similarities

Belongs to the POU2AF1 family.

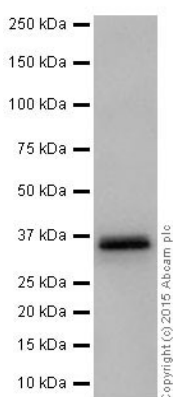
### Post-translational modifications

Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.

### Cellular localization

Nucleus.

## Images



Western blot - Anti-BOB1 antibody [EPR17685]  
(ab203110)

Anti-BOB1 antibody [EPR17685] (ab203110) at 1/10000 dilution + RAMOS (Human Burkitt's lymphoma cell line) whole cell lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

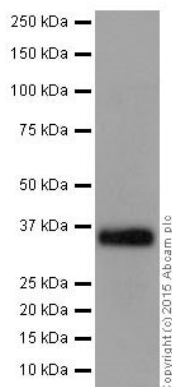
**Predicted band size:** 27 kDa

**Observed band size:** 35 kDa

**Exposure time:** 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

The MW profile observed is consistent with what has been described in the literature PMID: 12857960.



Western blot - Anti-BOB1 antibody [EPR17685] (ab203110)

Anti-BOB1 antibody [EPR17685] (ab203110) at 1/5000 dilution + Raji (Human Burkitt's lymphoma cell line) whole cell lysate at 20 µg

#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

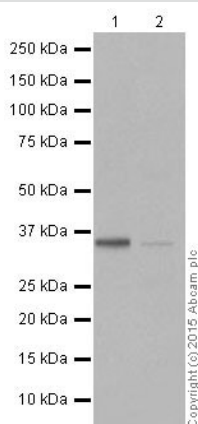
**Predicted band size:** 27 kDa

**Observed band size:** 35 kDa

**Exposure time:** 3 minutes

Blocking/dilution buffer 5% NFDm/TBST.

The MW profile observed is consistent with what has been described in the literature PMID: 12857960.



Western blot - Anti-BOB1 antibody [EPR17685] (ab203110)

**All lanes :** Anti-BOB1 antibody [EPR17685] (ab203110) at 1/200 dilution

**Lane 1 :** Human lymph node whole cell lysate

**Lane 2 :** Human bone marrow whole cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/50000 dilution

**Predicted band size:** 27 kDa

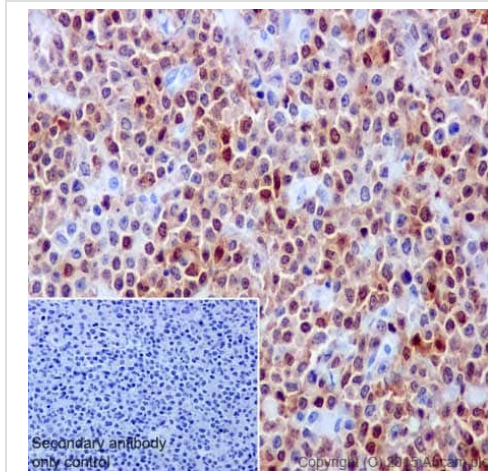
**Observed band size:** 35 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The MW profile observed is consistent with what has been

described in the literature PMID: 12857960.



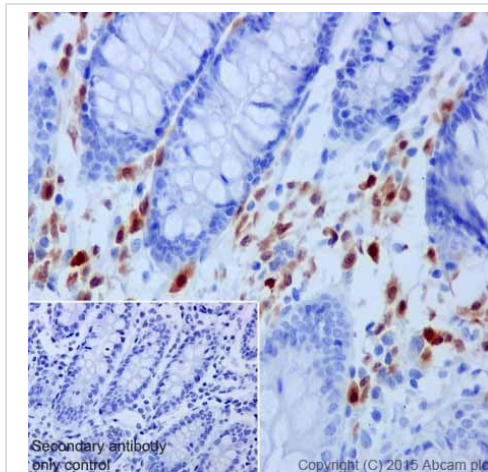
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BOB1 antibody [EPR17685] (ab203110)

Immunohistochemical analysis of paraffin-embedded Human Non-Hodgkin lymphoma of B- lineage tissue labeling BOB1 Protein with **ab230110** at 1/500 dilution followed by **ab97051** Goat Anti-Rabbit IgG H&L (HRP) secondary antibody at a 1/500 dilution. Nuclear and weak cytoplasmic staining on Human non-hodgkin lymphoma of B- lineage tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is **ab97051** Goat Anti-Rabbit IgG H&L (HRP).

Reference: Greiner A et al. Up-Regulation of BOB.1/OBF.1 Expression in Normal Germinal Center B Cells and Germinal Center-Derived Lymphomas. Am J Pathol. 2000 February; 156(2): 501–507.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



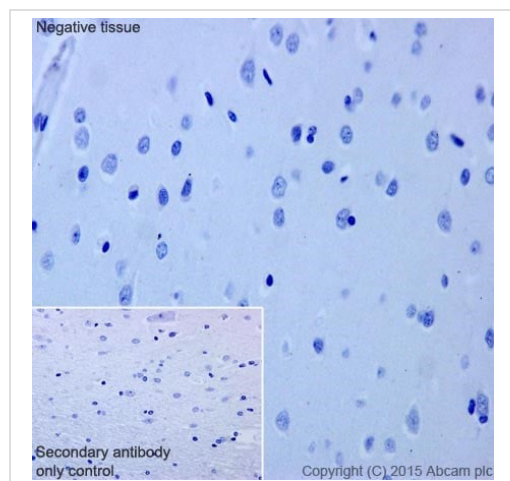
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BOB1 antibody [EPR17685] (ab203110)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling BOB1 Protein with **ab230110** at 1/500 dilution followed by **ab97051** Goat Anti-Rabbit IgG H&L (HRP) secondary antibody at a 1/500 dilution. Nuclear and weakly cytoplasmic staining on lymphocyte of Human colon lineage tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is **ab97051** Goat Anti-Rabbit IgG H&L (HRP).

Reference: Greiner A et al. Up-Regulation of BOB.1/OBF.1 Expression in Normal Germinal Center B Cells and Germinal Center-Derived Lymphomas. Am J Pathol. 2000 February; 156(2): 501–507.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BOB1 antibody [EPR17685] (ab203110)





Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling BOB1 Protein with **ab230110** at 1/500 dilution followed by **ab97051** Goat Anti-Rabbit IgG H&L (HRP) secondary antibody at a 1/500 dilution. Counter stained with Hematoxylin. No staining on Human cerebral cortex tissue (BOB1 Negative tissue) is observed.

Negative control: Used PBS instead of primary antibody, secondary antibody is **ab97051** Goat Anti-Rabbit IgG H&L (HRP).

Reference: Greiner A et al. Up-Regulation of BOB.1/OBF.1 Expression in Normal Germinal Center B Cells and Germinal Center-Derived Lymphomas. Am J Pathol. 2000 February; 156(2): 501–507.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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-BOB1 antibody [EPR17685] (ab203110)

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

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