

## Product datasheet

# Anti-BOB1 antibody [Wue-AC5] ab31834

### Overview

<b>Product name</b>	Anti-BOB1 antibody [Wue-AC5]
<b>Description</b>	Mouse monoclonal [Wue-AC5] to BOB1
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	A recombinant BOB1 protein from C terminal domain (Human).
<b>Positive control</b>	Tonsil.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium Azide Constituents: 1% BSA
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Ab31834 is a purified immunoglobulin.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	Wue-AC5
<b>Isotype</b>	IgG2a

### Applications

Our [Abpromise guarantee](#) covers the use of **ab31834** 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
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IHC-P

### Application notes

IHC-P: 1/50 - 1/100 for 30 minutes at room temperature when using ABC method. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. In particular, perform high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

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<b>Function</b>	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.
<b>Tissue specificity</b>	B-cell specific.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the POU2AF1 family.
<b>Post-translational modifications</b>	Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.
<b>Cellular localization</b>	Nucleus.

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