

Product datasheet

Anti-BOB1 antibody [Wue-AC5] ab31834

Overview

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

Properties

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

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.

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