



# BOB.1 (ABT103R) Rabbit mAb (Ready to Use)

<b>Catalog No</b>	YP-rAb-18148
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse
<b>Applications</b>	IHC
<b>Gene Name</b>	POU2AF1 OBF1
<b>Protein Name</b>	POU domain class 2-associating factor 1 (B-cell-specific coactivator OBF-1) (BOB-1) (OCA-B) (OCT-binding factor 1)
<b>Purification Process</b>	Protein A
<b>Specificity</b>	This antibody detects endogenous levels of BOB.1
<b>Formulation</b>	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	2° C to 8° C/1 year,Ship by ice bag
<b>Synonyms</b>	B cell Oct binding protein 1 ; B cell specific coactivator OBF 1 ; B cell specific coactivator OBF1 ; B-cell-specific coactivator OBF-1 ; BOB 1 ; BOB-1 ; OBF 1 ; OBF1 ; OBF1_HUMAN ; OCA B ; OCA-B ; OCAB ; OCT binding factor 1 ; OCT-binding factor 1 ; POU class 2 associating factor 1 ; POU domain class 2 associating factor 1 ; POU domain class 2-associating factor 1 ; Pou2af1
<b>Observed Band</b>	
<b>Calculated Molecular Weight</b>	
<b>Cell Pathway</b>	Nuclear, Cytoplasmic
<b>Tissue Specificity</b>	B-cell specific (PubMed:7779176, PubMed:7859290). Detected in mainly in spleen, but also in thymus, peripheral blood leukocyte and small intestine (PubMed:7779176, PubMed:7859290).
<b>Function</b>	Disease: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.,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

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antigens and required for the formation of germinal centers.,PTM:Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.,similarity:Belongs to the POU2AF1 family.,tissue specificity:B-cell specific.,

### Background

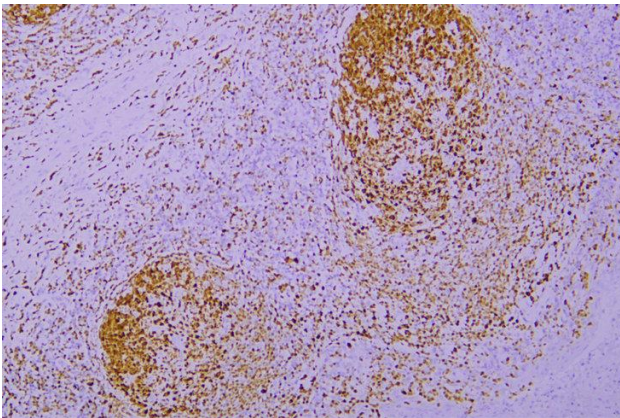
BOB.1 is a transcription activating factor necessary for the formation of follicular germinal center and the production of immunoglobulin. It works together with Oct-2 and is highly expressed in granulocytes of spleen and peripheral blood. It is mainly used for the typing of Hodgkin's lymphoma, mainly nodular lymphocytes. Hodgkin's lymphoma is positive and classical Hodgkin's lymphoma is negative.

### matters needing attention

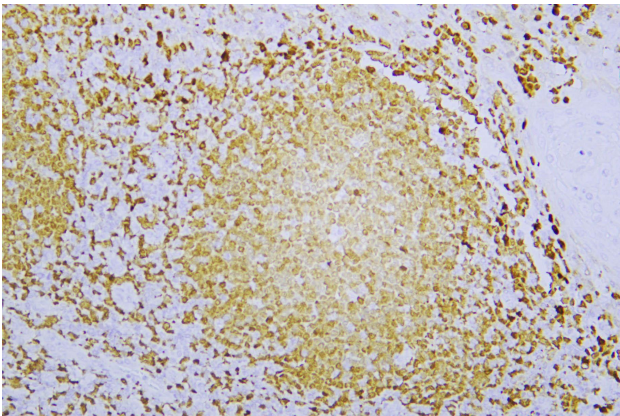
Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Immunohistochemical analysis of paraffin-embedded human Tonsil. 1, Antibody was incubated at 4° overnight. 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Human smooth muscle was stained with anti-BOB.1 (ABT103R) rabbit mAb

