

**BOB1**  
Mouse Monoclonal Antibody (Mab)  
Catalog # APA384

## Specification

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### BOB1 - Product Information

Application	IHC
Primary Accession	<a href="#">Q16633</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	27436 Da

### BOB1 - Additional Information

Gene ID	5450
Gene Name	POU2AF1 ( <a href="#">HGNC:9211</a> )

#### Other Names

POU domain class 2-associating factor 1, B-cell-specific coactivator OBF-1, BOB-1, OCA-B, OCT-binding factor 1, POU2AF1 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=9211](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=9211))

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BOB1 is for research use only and not for use in diagnostic or therapeutic procedures.

### BOB1 - Protein Information

Name POU2AF1 ([HGNC:9211](#))

Function	Transcriptional coactivator that specifically associates with either POU2F1/OCT1 or POU2F2/OCT2 (PubMed: <a href="#">7859290</a> ). It boosts the POU2F1/OCT1 mediated promoter activity and to a lesser extent, that of POU2F2/OCT2 (PubMed: <a href="#">7779176</a> ). It has no intrinsic DNA-binding activity. It recognizes the POU domains of POU2F1/OCT1 and POU2F2/OCT2 (PubMed: <a href="#">7779176</a> ). It is essential for the response of B-cells to antigens and required for the formation of germinal centers (PubMed: <a href="#">7623806</a> , PubMed: <a href="#">7859290</a> ). Regulates IL6 expression in B cells as POU2F2/OCT2
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Cellular Location  
Tissue Location

coactivator (By similarity).  
Nucleus.

**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)**

### **BOB1 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **BOB1 - Images**