

**Goat Anti-BOB1 / OCAB / OBF1 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1163a**Specification****Goat Anti-BOB1 / OCAB / OBF1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q16633</a>
Other Accession	<a href="#">NP_006226</a> , <a href="#">5450</a> , <a href="#">18985 (mouse)</a>
Reactivity	Mouse
Predicted	Human, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	27436

**Goat Anti-BOB1 / OCAB / OBF1 Antibody - Additional Information**

**Gene ID** 5450

**Other Names**

POU domain class 2-associating factor 1, B-cell-specific coactivator OBF-1, BOB-1, OCA-B, OCT-binding factor 1, POU2AF1, OBF1

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-BOB1 / OCAB / OBF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-BOB1 / OCAB / OBF1 Antibody - Protein Information**

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

**Function**

Transcriptional coactivator that specifically associates with either POU2F1/OCT1 or POU2F2/OCT2 (PubMed:<a href="http://www.uniprot.org/citations/7859290" target="\_blank">7859290</a>). It boosts the POU2F1/OCT1 mediated promoter activity and to a lesser extent, that of POU2F2/OCT2 (PubMed:<a href="http://www.uniprot.org/citations/7779176" target="\_blank">7779176</a>). It recognizes the POU domains of POU2F1/OCT1 and POU2F2/OCT2 (PubMed:<a

<http://www.uniprot.org/citations/7779176> target="\_blank">7779176</a>). It is essential for the response of B-cells to antigens and required for the formation of germinal centers (PubMed:<a href="http://www.uniprot.org/citations/7623806" target="\_blank">7623806</a>, PubMed:<a href="http://www.uniprot.org/citations/7859290" target="\_blank">7859290</a>). Regulates IL6 expression in B cells as POU2F2/OCT2 coactivator (By similarity).

#### Cellular Location

Nucleus.

#### Tissue Location

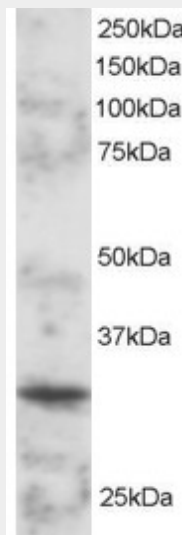
B-cell specific (PubMed:7779176, PubMed:7859290). Detected in mainly in spleen, but also in thymus, peripheral blood leukocyte and small intestine (PubMed:7779176, PubMed:7859290)

### Goat Anti-BOB1 / OCAB / OBF1 Antibody - 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](#)

### Goat Anti-BOB1 / OCAB / OBF1 Antibody - Images



AF1163a staining (2 µg/ml) of mouse spleen lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

### Goat Anti-BOB1 / OCAB / OBF1 Antibody - References

Genetic Heterogeneity in Colorectal Cancer Associations in Americans of African vs European Descent. Kupfer SS, et al. Gastroenterology, 2010 Jul 24. PMID 20659471.  
Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey

SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

OCT-2 expression and OCT-2/BOB.1 co-expression predict prognosis in patients with newly diagnosed acute myeloid leukemia. Advani AS, et al. Leuk Lymphoma, 2010 Apr. PMID 20141429.  
BOB.1, CD79a and cyclin E are the most appropriate markers to discriminate classical Hodgkin's lymphoma from primary mediastinal large B-cell lymphoma. Hoeller S, et al. Histopathology, 2010 Jan. PMID 20102401.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.