

**POU2AF1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9096a**

**Specification**

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**POU2AF1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q16633](#)

**POU2AF1 Antibody (N-term) Blocking Peptide - 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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9096a](/products/AP9096a) was selected from the N-term region of human POU2AF1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**POU2AF1 Antibody (N-term) Blocking Peptide - Protein Information**

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

**Function**

Transcriptional coactivator that specifically associates with either POU2F1/OCT1 or POU2F2/OCT2 (PubMed: [7859290](http://www.uniprot.org/citations/7859290)). It boosts the POU2F1/OCT1 mediated promoter activity and to a lesser extent, that of POU2F2/OCT2 (PubMed: [7779176](http://www.uniprot.org/citations/7779176)). It recognizes the POU domains of POU2F1/OCT1 and POU2F2/OCT2 (PubMed: [7779176](http://www.uniprot.org/citations/7779176)). It is essential for the response of B-cells to antigens and required for the formation of germinal centers (PubMed: [7623806](http://www.uniprot.org/citations/7623806), PubMed: [7859290](http://www.uniprot.org/citations/7859290)). 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)

**POU2AF1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**POU2AF1 Antibody (N-term) Blocking Peptide - Images****POU2AF1 Antibody (N-term) Blocking Peptide - Background**

POU2AF1 is 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.

**POU2AF1 Antibody (N-term) Blocking Peptide - References**

Pittman,A.M., et.al., Hum. Mol. Genet. 17 (23), 3720-3727 (2008)Gashaw,I., et.al., Mol. Hum. Reprod. 13 (10), 721-727 (2007)