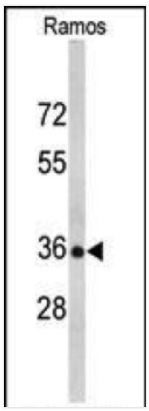
# POU2AF1 Antibody – Rabbit Polyclonal

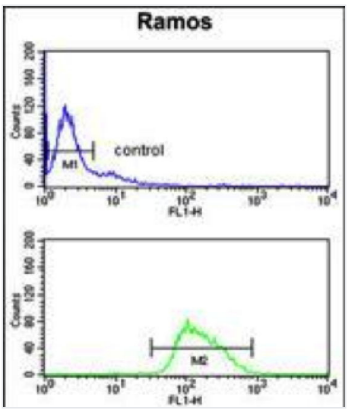
## PRODUCT OVERVIEW

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| **Product Name** | POU2AF1, Polyclonal Antibody |
| **Full Product Name** | POU2AF1, NT (POU2AF1, OBF1, POU domain class 2-associating factor 1, B-cell-specific coactivator OBF-1, BOB-1, OCA-B, OCT-binding factor 1) |
| **Product Gene Name** | anti-POU2AF1 antibody |
| **Product Synonym Names** | Anti -POU2AF1, NT (POU2AF1, OBF1, POU domain class 2-associating factor 1, B-cell-specific coactivator OBF-1, BOB-1, OCA-B, OCT-binding factor 1) |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide. |
| **Purity/Purification** | Affinity Purified<br>Purified by Protein A affinity chromatography. |
| **Specificity** | Human |
| **Preparation and Storage** | May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |
| **Molecular Weight** | 27,436 Da |
| **Chromosome Location** | Chromosome: 11; NC_000011.9 (111222976..111250348, complement). Location: 11q23.1 |
| **OMIM** | 601206 |
| **3D Structure** | ModBase 3D Structure for Q16633 |
| **Immunogen** | POU2AF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7~36 amino acids from the N-terminal region of human POU2AF1. |
| **Product Categories/Family for anti-POU2AF1 antibody** | Antibodies; Abs to Transcription Factors |
| **Applications Tested/Suitable for anti-POU2AF1 antibody** | ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS) |
| **Application Notes for anti-POU2AF1 antibody** | Suitable for use in Western Blot, Immunohistochemistry, Flow Cytometry, ELISA<br>Dilution: ELISA: 1:1,000<br>Western Blot: 1:100-500<br>Flow Cytometry: 1:10-50<br>Immunohistochemistry: 1:10-50 |
| **Related Product Information for anti-POU2AF1 antibody** | 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. |
| **Other Notes** | Small volumes of anti-POU2AF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

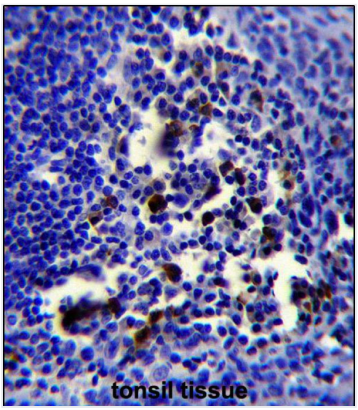
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| **Searchable Terms for POU2AF1 purchase** | MBS647020 is an antibody targeting POU2AF1. Also known as POU2AF1, NT (POU2AF1, OBF1, POU domain class 2-associating factor 1, B-cell-specific coactivator OBF-1, BOB-1, OCA-B, OCT-binding factor 1). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-POU2AF1 antibody**
Western blot analysis of MBS647020 in Ramos cell line lysates (35ug/lane). POU2AF1 (arrow) was detected using the purified Pab.




**Flow Cytometry (FC/FACS) of anti-POU2AF1 antibody**
POU2AF1 Antibody (N-term) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




**Immunohistochemistry (IHC) of anti-POU2AF1 antibody**
POU2AF1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POU2AF1. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 167900478 |
| **NCBI GeneID** | 5450 |
| **NCBI Accession #** | NP_006226.2 |
| **UniProt Primary Accession #** | Q16633 |
| **UniProt Secondary Accession #** | Q14983; B2R8Z9 |
| **UniProt Related Accession #** | Q16633; AAB34937 |
| **GenBank Nucleotide #** | NM_006235.2 |
| **NCBI Official Full Name** | POU domain class 2-associating factor 1 |
| **NCBI Official Synonym Full Names** | POU class 2 associating factor 1 |
| **NCBI Official Symbol** | POU2AF1 |
| **NCBI Official Synonym Symbols** | BOB1; OBF1; OCAB; OBF-1 |

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|---|---|
| **UniProt Protein Name** | POU domain class 2-associating factor 1 |
| **UniProt Synonym Protein Names** | B-cell-specific coactivator OBF-1; BOB-1; OCA-B; OCT-binding factor 1 |
| **Protein Family** | POU domain class 2-associating factor |
| **UniProt Gene Name** | POU2AF1 |
| **UniProt Synonym Gene Names** | OBF1 |
| **UniProt Entry Name** | OBF1_HUMAN |
| **NCBI Protein Information** | POU domain class 2-associating factor 1; BOB-1; OCA-B; OCT-binding factor 1; B-cell-specific coactivator OBF-1; POU domain, class 2, associating factor 1 |
| **UniProt Comments for POU2AF1** | 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.<br><br>Subcellular location: Nucleus.<br><br>Tissue specificity: B-cell specific.<br><br>Post-translational modification: Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation<br><br>Probable. Ref.8 Ref.9<br><br>Involvement in 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.<br><br>Sequence similarities: Belongs to the POU2AF1 family. |
| **Research Articles on POU2AF1** | **1.** Two significant susceptibility loci, TNFSF15 (rs4979462) and POU2AF1 (rs4938534) (combined odds ratio [OR] = 1.56, p = 2.84 x 10(-14) for rs4979462. |
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