

Product datasheet for **UM800111CF**

BOB1 (POU2AF1) Mouse Monoclonal Antibody [Clone ID: UMAB219]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | UMAB219 |
| Applications: | 10k-ChIP, IHC |
| Recommended Dilution: | IHC 1:100~250 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human POU2AF1(NP_006226) produced in E.coli. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 27.3 kDa |
| Gene Name: | POU class 2 homeobox associating factor 1 |
| Database Link: | NP_006226 Entrez Gene 18985 Mouse Entrez Gene 690528 Rat Entrez Gene 5450 Human Q16633 |

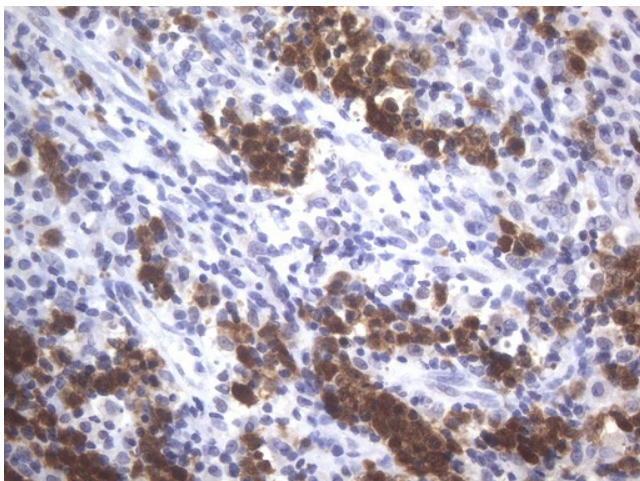


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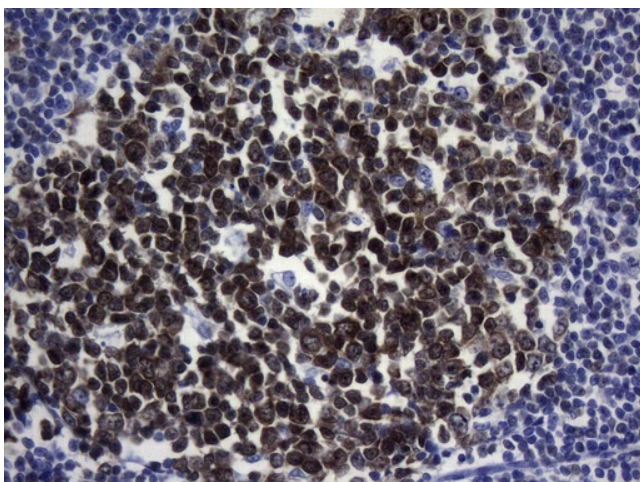
Background: Transcriptional coactivator that specifically associates with either OCT1 or OCT2. It boosts the OCT1 mediated promoter activity and to a lesser extent, that of OCT2. It has no intrinsic DNA-binding activity. It recognizes the POU domains of OCT1 and OCT2. It is essential for the response of B-cells to antigens and required for the formation of germinal centers.
[UniProtKB/Swiss-Prot Function]

Synonyms: BOB1; OBF-1; OBF1; OCAB

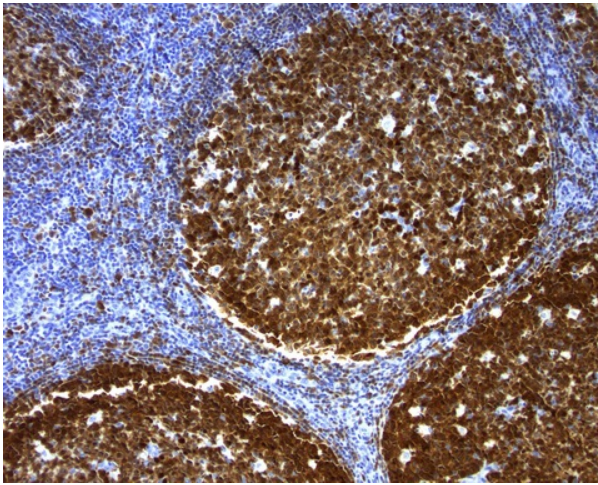
Product images:



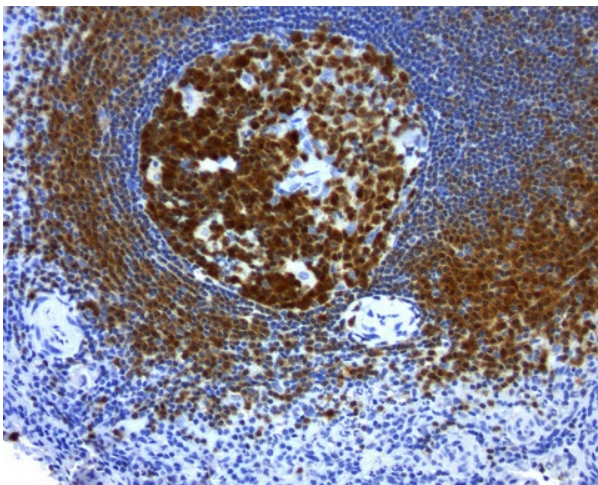
Immunohistochemical staining of paraffin-embedded human lymphoma tissue using anti-POU2AF1 mouse monoclonal antibody. HIER pretreatment was done with 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 minutes. [UM800111] was diluted 1:250 and detection was done with HRP secondary and DAB chromogen. Strong nuclear, cytoplasmic, and membraneous staining tumor cells.



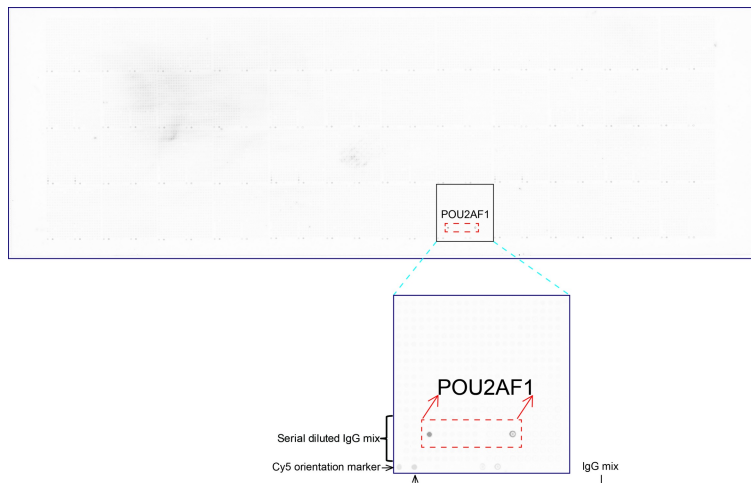
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-POU2AF1 mouse monoclonal antibody. HIER pretreatment was done with 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 minutes. [UM800111] was diluted 1:250 and detection was done with HRP secondary and DAB chromogen. Strong nuclear, cytoplasmic, and membraneous staining germinal cells of the tonsil.



Immunohistochemical staining of paraffin-embedded tonsil using mouse anti-POU2AF1 clone UMAB219 ([UM800111]) at 1:200 with Polink2 Broad HRP DAB detection kit; pretreatment of tissue prior to stain with heat-induced epitope retrieval with EDTA pH 8.0 buffer using pressure chamber for 3 minutes at 110C is required for optimal staining. Cells exhibit cytoplasmic and membranous staining.



Immunohistochemical staining of paraffin-embedded normal spleen using mouse anti-POU2AF1 clone UMAB219 ([UM800111]) at 1:200 with Polink2 Broad HRP DAB detection kit; pretreatment of tissue prior to stain with heat-induced epitope retrieval with EDTA pH 8.0 buffer using pressure chamber for 3 minutes at 110C is required for optimal staining. Cells exhibit cytoplasmic and membranous staining.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-POU2AF1 mouse monoclonal antibody ([UM800111]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).