

For Research Use Only

POU2AF1 Monoclonal antibody

Catalog Number: 66659-1-Ig **1 Publications**



Basic Information

Catalog Number: 66659-1-Ig	GenBank Accession Number: BC032549	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5450	CloneNo.: 3C5A7
Source: Mouse	ENSEMBL Gene ID: ENSG00000110777	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:850-1:3400
Isotype: IgG1	UNIPROT ID: Q16633	
Immunogen Catalog Number: AG23613	Full Name: POU class 2 associating factor 1	
	Calculated MW: 256 aa, 27 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Raji cells, Ramos cells, Daudi cells
Cited Applications: ChIP	IHC : Human tonsillitis tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

POU2AF1, also named as BOB-1 or OCA-B, is a 256 amino acid protein, which belongs to the POU2AF1 family. POU2AF1 is expressed in B-cell specific. POU2AF1 as a 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. The predicted size of this protein is 27 kDa. Studies have reported that the protein has a multi-band size of 34-35 kDa through siRNA interference experiments (PMID: 17621271). This result is the same as our experiments.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhenhua Chen	39694037	Cell	ChIP

Storage

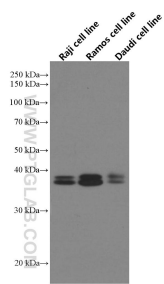
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

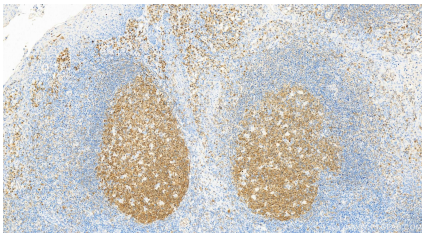
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66659-1-Ig (POU2AF1 antibody) at dilution of 1:5000 and incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Human tonsillitis tissue slide using 66659-1-Ig (POU2AF1 antibody) at dilution of 1:1700 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).