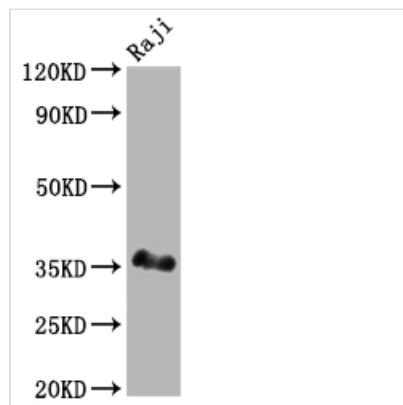




POU2AF1 Recombinant Monoclonal Antibody

Product Code	CSB-RA280291A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q16633
Immunogen	A synthesized peptide derived from human BOB1
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling; Immunology
Gene Names	POU2AF1
Clone No.	4A5

Image



Western Blot

Positive WB detected in: Raji whole cell lysate

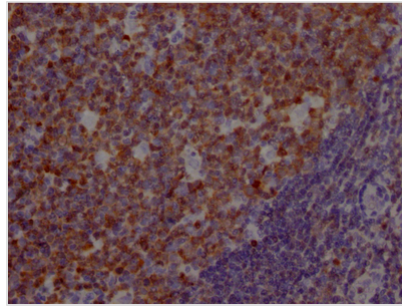
All lanes: BOB1 antibody at 1:2000

Secondary

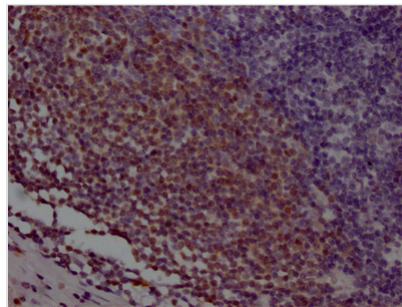
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 28 kDa

Observed band size: 35 kDa



IHC image of CSB-RA280291A0HU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA280291A0HU diluted at 1:100 and staining in paraffin-embedded human appendix tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

POU2AF1 is a gene that was previously thought to be expressed only in lymphocytes, where it regulates immunoglobulin production and other host defense-related genes as a co-activator of octamer-binding transcription factors OCT1 and OCT2. POU2AF1 has no intrinsic DNA binding activity but can recognize the POU domain of OCT1 and OCT2. It plays an essential role in B-cell responses to antigens and is required for the formation of germinal centers. In addition to modulating the IgG gene in B cells, POU2AF1 contains numerous known downstream genes with various functions in lymphocytes, including cellular metabolism, cell survival, surface receptors, ion transport, and cell adhesion.

CUSABIO cloned POU2AF1 antibody-coding genes into plasma vectors and then transfected these vector clones into mammalian cells using a lipid-based transfection reagent. Following transient expression, the recombinant antibodies against POU2AF1 were harvested and characterized. The recombinant POU2AF1 antibody was purified by Affinity-chromatography from the culture medium. It can be used to detect POU2AF1 protein from Human in the ELISA, WB, IHC.