SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-BOB1 antibody

Catalog Number: SL1418R

FOR RESEARCH USE ONLY

[DATASHEET]

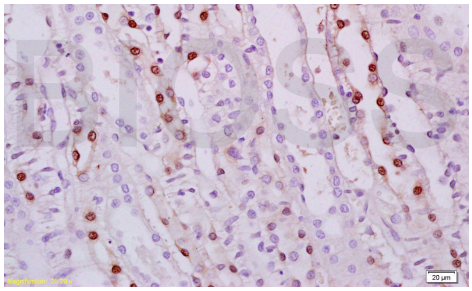
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	BOB1
Immunogen:	KLH conjugated synthetic peptide derived from human BOb-1: 21-130/256
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Dog,Cow,Horse)
Predicted MW.:	28kDa
Subcellular Location:	The nucleus
Background:	Enables transcription coactivator activity. Involved in positive regulation of transcription by RNA polymerase II. Part of RNA polymerase II transcription regulator complex. [provided by Alliance of Genome Resources, Nov 2021] **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. **Subcellular Location:** Nucleus. **Tissue Specificity:** B-cell specific. **Post-translational modifications:** Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation (Probable). DISEASE: Note=A chromosomal aberration involving POU2AF1/OBF1 may

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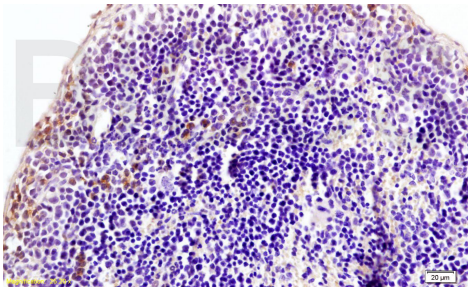
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	be a cause of a form of B-cell leukemia. Translocation t(3;11)(q27;q23) with BCL6. **Similarity:** Belongs to the POU2AF1 family. **Database links:** **Entrez Gene:** 5450 Human **Entrez Gene:** 18985 Mouse Omim: 601206 Human **SwissProt:** Q16633 Human **SwissProt:** Q64693 Mouse **Unigene:** 654525 Human **Unigene:** 897 Mouse

[VALIDATION IMAGES]



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-BOb-1/POU2AF1 Polyclonal Antibody, Unconjugated(SL1418R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-BOb-1/POU2AF1 Polyclonal Antibody, Unconjugated(SL1418R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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