

Datasheet for ABIN3044424
anti-POU2AF1 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	POU2AF1
Binding Specificity:	AA 238-256, C-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for POU domain class 2-associating factor 1(POU2AF1) detection. Tested with WB, IHC-P in Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse BOB1(238-256aa EEEESNTYELNHTLSVEGF), different from the related rat sequence by one amino acid, and from human sequence by four amino acids.
Sequence:	EEEEESNTYEL NHTLSVEGF
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for POU domain class 2-associating factor 1(POU2AF1) detection. Tested with WB, IHC-P in Mouse,Rat.</p> <p>Gene Name: POU class 2 associating factor 1</p> <p>Protein Name: POU domain class 2-associating factor 1</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: POU2AF1

Alternative Name: POU2AF1 ([POU2AF1 Products](#))

Background: POU2AF1(POU domain class 2-associating factor 1), also known as OBF1, BOB1 and OCAB, is a protein that in humans is encoded by the POU2AF1 gene. POU domain proteins contain a bipartite DNA-binding domain divided by a flexible linker that enables them to adopt various monomer configurations on DNA. The versatility of POU protein operation is additionally conferred at the dimerization level. Casellas et al.(2002) reported that OCAB is essential for V(D)J recombination of a subset of Ig-kappa genes. They showed that OCAB modulates recombination by directly enhancing Ig-kappa gene transcription in vivo. Siegel et al.(2006) suggested that, together with dysregulation of other OCAB target genes, altered regulation of SYK may help explain the magnitude of defects observed in B-cell development, including the pre-B1-to-pre-B2 transition, and immune responses in Ocab ^{-/-} mice.

Synonyms: B cell Oct binding protein 1 antibody|B cell specific coactivator OBF 1 antibody|B cell specific coactivator OBF1 antibody|B-cell-specific coactivator OBF-1 antibody|BOB 1 antibody|BOB-1 antibody|OBF 1 antibody|OBF1 antibody|OBF1_HUMAN antibody|OCA B antibody|OCA-B antibody|OCAB antibody|OCT binding factor 1 antibody|OCT-binding factor 1 antibody|POU domain class 2 associating factor 1 antibody|POU domain class 2-associating factor 1 antibody|POU2AF1 antibody

UniProt: [Q64693](#)

Application Details

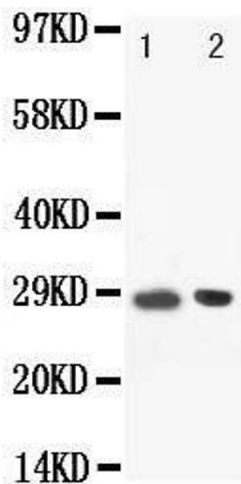
Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

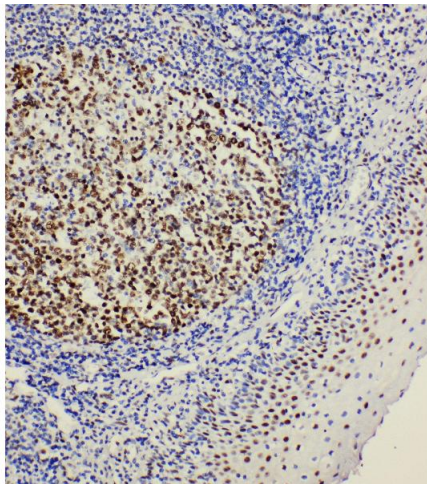
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-BOB1 antibody, Western blotting Lane: Rat Spleen Tissue Lysate



Immunohistochemistry

Image 2. Anti-BOB1 antibody, IHC(P) IHC(P): Rat Tonsil Tissue