

Anti-BOB1/POU2AF1 Antibody

Catalog Number: PA1506

About Pou2af1

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.

Overview

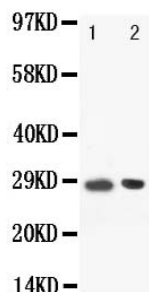
Product Name	Anti-BOB1/POU2AF1 Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-BOB1/POU2AF1 Antibody catalog # PA1506. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q64693

Technical Details

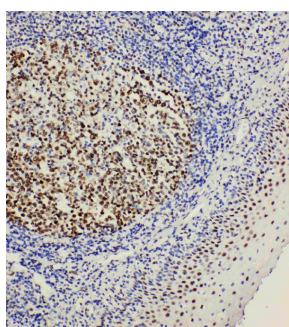
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse BOB1, different from the related rat sequence by one amino acid, and from human sequence by four amino acids.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Rat, Mouse, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Mouse</p>

Anti-BOB1/POU2AF1 Antibody (PA1506) Images



Anti-BOB1 antibody, PA1506, Western blotting
Lane: Rat Spleen Tissue Lysate



Anti-BOB1 antibody, PA1506, IHC(P)
IHC(P): Rat Tonsil Tissue

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