BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-BOB1/POU2AF1 Antibody Picoband®

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.

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Overview

Product Name	Anti-BOB1/POU2AF1 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-BOB1/POU2AF1 Antibody catalog # PA1506. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

BOSTER
antibody and ELISA experts

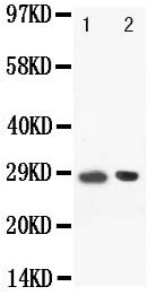
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Technical Details

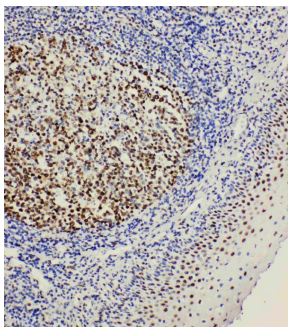
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse BOB1, different from the related rat sequence by one amino acid, and from human sequence by four amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) 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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Rat, Mouse Western blot, 0.1-0.5ug/ml, Mouse

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Anti-BOB1/POU2AF1 Antibody Picoband® (PA1506) Images



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



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

Anti-BOB1/POU2AF1 Antibody

For Research Use Only. Not for use in diagnostic procedures.