BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Forkhead box protein P3 FOXP3 Antibody Picoband®

Catalog Number: PA1577

About FOXP3

FOXP3 (forkhead box P3) is a protein involved in immune system responses. The human FOXP3 genes contain 11 coding exons. Exon-intron boundaries are identical across the coding regions of the mouse and human genes. By genomic sequence analysis, the FOXP3 gene maps to the p arm of the X chromosome (specifically, Xp11.23). A member of the FOX protein family, FOXP3 appears to function as a master regulator in the development and function of regulatory T cells. While the precise control mechanism has not yet been established, FOX proteins belong to the forkhead/winged-helix family of transcriptional regulators and are presumed to exert control via similar DNA binding interactions during transcription.

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Overview

Product Name	Anti-Forkhead box protein P3 FOXP3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Forkhead box protein P3 FOXP3 Antibody catalog # PA1577. Tested in WB applications. This antibody reacts with Human. 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2mg Na2HPO4.
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	Q9BZS1

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FOXP3, different from the related mouse sequence by two amino acids.

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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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	Western blot, 0.1-0.5ug/ml, Human

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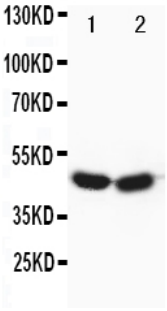
Anti-Forkhead box protein P3 FOXP3 Antibody Picoband® (PA1577) Images



Anti-FOXP3 antibody, PA1577, Western blottingLane 1: HELA Cell LysateLane 2: SGC Cell Lysate

12 Publications Citing This Product

1. PubMed ID: 26064167, Gong T, Wang Cf, Yuan Jr, Li Y, Gu Jf, Zhao Bj, Zhang L, Jia Xb, Feng L, Liu Sl. Evid Based Complement Alternat Med. 2015;2015:630760. Doi: 10.1155/2015/630760. Epub 2015 May 3. Inhibition Of Tumor Growth And Immunomodulatory Effects Of Flavonoids...

2. PubMed ID: 24369313, Li G, Ren J, Wang G, Gu G, Hu D, Ren H, Hong Z, Wu X, Liu S, Li J. Int Immunopharmacol. 2014 Feb;18(2):244-8. Doi: 10.1016/J.Intimp.2013.12.014. Epub 2013 Dec 22. T2 Enhances In Situ Level Of Foxp3+ Regulatory Cells And Modulates Inflammatory Cyto...

3. PubMed ID: 22749378, Fu Hy, Li C, Yang W, Gai Xd, Jia T, Lei Ym, Li Y. Acta Histochem. 2013 Mar;115(2):151-7. Doi: 10.1016/J.Acthis.2012.06.002. Epub 2012 Jun 29. Foxp3 And Tlr4 Protein Expression Are Correlated In Non-Small Cell Lung Cancer: Implications For Tumor Pr...

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