BOSTER BIOLOGICAL TECHNOLOGY
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Anti-c-Myc Antibody Picoband®

Catalog Number: PA1555

About MYC

C-Myc is an oncogene that functions both in the stimulation of cell proliferation and in apoptosis. c-Myc elicits its oncogenic activity by causing immortalization, and to a lesser extent the transformation of cells, in addition to several other mechanisms. The c-MYC proto-oncogene encodes a transcription factor that is critical for cell growth and proliferation. It is one of the genes frequently altered in cancer cells in which it exhibits constitutive activity. Downregulation of c-Myc is critical for 2-Methoxyestradiol (2ME2)-induced oxidative stress and apoptosis in AML cells. And its up-regulation is important for promoting lymphocyte cell division, and demonstrating that GFP-c-Myc expression is a marker of proliferating lymphocytes in vivo.

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Overview

Product Name	Anti-c-Myc Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-c-Myc Antibody catalog # PA1555. Tested in WB applications. This antibody reacts with Human, 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	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	P01106

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human c-Myc, different from the related mouse and rat sequences by one amino acid.
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, Mouse, Rat

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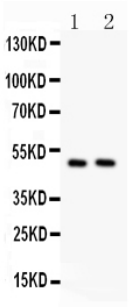
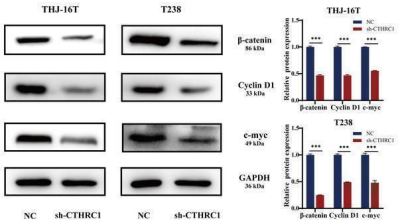
Anti-c-Myc Antibody Picoband® (PA1555) Images



Anti-c-Myc antibody, PA1555, Western blottingAll lanes: Anti c-Myc(PA1555) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 49KDObserved bind size: 49KD



CTHRC1 knockdown inhibited the Wnt/beta-catenin pathway. Western blotting was used to analyze the beta-catenin, Cyclin D1, and c-myc expression in CTHRC1 knockdown and control group. ***P < 0.001 . Download full-size image DOI:Index in PubMed under a CC BY license. PMID: 37273536

19 Publications Citing This Product

1. PubMed ID: 21310960, Yang H, Gu J, Zheng Q, Li M, Lian X, Miao J, Jiang J, Wei W. J Biol Chem. 2011 Apr 1;286(13):11865-74. Doi: 10.1074/Jbc.M110.136929. Epub 2011 Feb 10. Rpb5-Mediating Protein Is Required For The Proliferation Of Hepatocellular Carcinoma Cells.

2. PubMed ID: 20645813, Qin Xg, Hua Z, Shuang W, Wang Yh, Cui Yd. Pharm Biol. 2010 Mar;48(3):275-81. Doi: 10.3109/13880200903104101. Effects Of Matrine On Hepg2 Cell Proliferation And Expression Of Tumor Relevant Proteins In Vitro.

3. PubMed ID: 23588620, Yuan Y, Zhang J, Cai L, Ding C, Wang X, Chen H, Wang X, Yan J, Lu J. Oncol Rep. 2013 Jun;29(6):2291-6. Doi: 10.3892/Or.2013.2390. Epub 2013 Apr 8. Leptin Induces Cell Proliferation And Reduces Cell Apoptosis By Activating C-Myc In Cervical Cancer.

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Anti-c-Myc Antibody

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