

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.

Overview

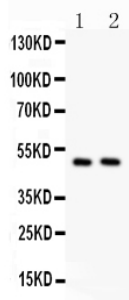
Product Name	Anti-c-Myc Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-c-Myc Antibody catalog # PA1555. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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

Technical Details

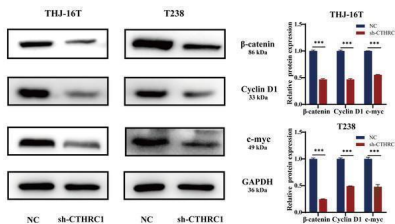
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human c-Myc, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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

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



Anti-c-Myc antibody, PA1555, Western blotting
All lanes: Anti c-Myc(PA1555) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: HEPG2 Whole Cell Lysate at 40ug
Predicted bind size: 49KD
Observed 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: 28819413, Zhang D, Fei F, Li S, Zhao Y, Yang Z, Qu J, Zhang X, Yin Y, Zhang S. J Cancer. 2017 Jul 5;8(11):2114-2123. doi: 10.7150/jca.19723. eCollection 2017. The role of beta-catenin in the initiation and metastasis of TA2 mice spontaneous breast cancer
2. PubMed ID: 28819383, Metformin Inhibits Tumorigenesis and Tumor Growth of Breast Cancer Cells by Upregulating miR-200c but Downregulating AKT2 Expression
3. PubMed ID: 24194897, Li M, Tian L, Wang L, Yao H, Zhang J, Lu J, Sun Y, Gao X, Xiao H, Liu M. Plos One. 2013 Oct 23;8(10):E77829. Doi: 10.1371/Journal.Pone.0077829. Ecollection 2013. Down-Regulation Of Mir-129-5P Inhibits Growth And Induces Apoptosis In Laryngeal Squa...

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Anti-c-Myc Antibody

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