

# **Anti-c-Myc Antibody**

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
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.
Application	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	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.
Predicted Reactive Species	Monkey, Rabbit
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



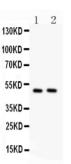




Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.  If the expected range of concentration is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



### Anti-c-Myc Antibody (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

### 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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