BOSTER
antibody and ELISA experts

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Anti-v-Myb/MYBL1 Antibody Picoband™

Catalog Number: A05803-2

About MYBL1

MYB proto-oncogene like 1 is a protein that in humans is encoded by the MYBL1 gene. A-Myb is expressed at specific times in reproductive tissues, some neural cells, and a subset of normal and neoplastic B lymphocytes. Both A-Myb and B-Myb are expressed in t (14:18) lymphoma cells where they then inhibit cell arrest and apoptotic signaling. Expression of B-Myb rescues cells from p53-induced G1 phase arrest that is mediated by p21, while A-Myb functions as an anti-apoptotic factor by effectively activating the bcl-2 promoter and thereby up-regulating Bcl-2 expression.

Overview

Product Name	Anti-v-Myb/MYBL1 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-v-Myb/MYBL1 Antibody Picoband™ catalog # A05803-2. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg 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	P10243

Technical Details

Immunogen	E.coli-derived human v-Myb/MYBL1 recombinant protein (Position: K199-L752).
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

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	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, 0.25-0.5ug/ml, Human, Mouse, Rat Flow Cytometry, 1-3ug/1x10^6 cells, Human Direct ELISA, 0.1-0.5ug/ml, Human

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Anti-v-Myb/MYBL1 Antibody Picoband™ (A05803-2) Images

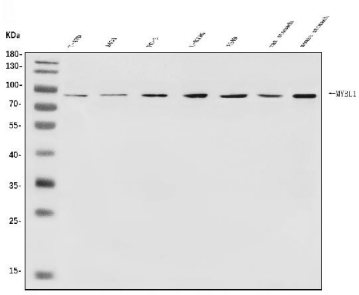

Figure 1. Western blot analysis of v-Myb/MYBL1 using anti-v-Myb/MYBL1 antibody (A05803-2).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions.
Lane 1: human T-47D whole cell lysates,
Lane 2: human A431 whole cell lysates,
Lane 3: human PC-3 whole cell lysates,
Lane 4: human U-87MG whole cell lysates,
Lane 5: human A549 whole cell lysates,
Lane 6: rat stomach tissue lysates,
Lane 7: mouse stomach tissue lysates.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-v-Myb/MYBL1 antigen affinity purified polyclonal antibody (Catalog # A05803-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for v-Myb/MYBL1 at approximately 86KD. The expected band size for v-Myb/MYBL1 is at 86KD.

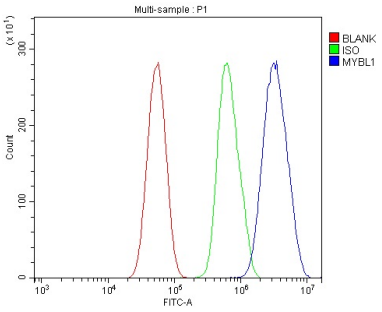

Figure 2. Flow Cytometry analysis of U87 cells using anti-v-Myb/MYBL1 antibody (A05803-2).
Overlay histogram showing U87 cells stained with A05803-2 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-v-Myb/MYBL1 Antibody (A05803-2, 1ug/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.