Product datasheet

Anti-C-MYC/MYC Antibody

Catalog Number: *A00026-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-C-MYC/MYC Antibody
Gene Name	MYC
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human c-Myc/MYC recombinant protein (Position: N9-A439).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	57-65 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

MYC proto-oncogene, bHLH transcription factor is a protein that in humans is encoded by the MYC gene which is a member of the myc family of transcription factors. The protein contains basic helix-loop-helix (bHLH) structural motif. This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini.

Reference

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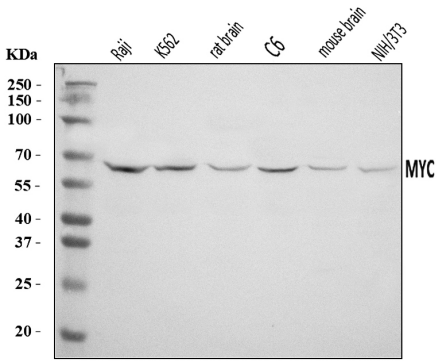
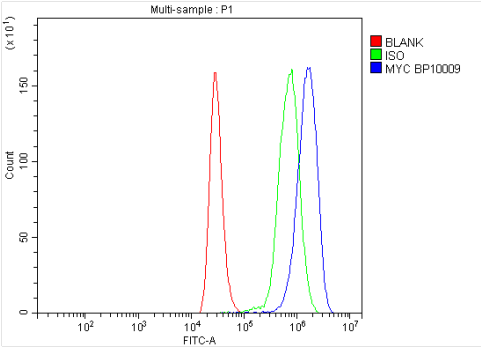
Anti-C-MYC/MYC Antibody被引用在14文献中。

Selected Validation Data



Western blot analysis of C-MYC/MYC using anti-C-MYC/MYC antibody (A00026-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Raji whole cell lysates,
Lane 2: K562 whole cell lysates,
Lane 3: rat brain tissue lysates,
Lane 4: C6 whole cell lysates,
Lane 5: mouse brain tissue lysates,
Lane 6: NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-C-MYC/MYC antigen affinity purified polyclonal antibody (A00026-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for C-MYC/MYC at approximately 57-65 kDa. The expected band size for C-MYC/MYC is at 49 kDa.



Flow Cytometry analysis of THP-1 cells using anti-C-MYC/MYC antibody (A00026-1).
Overlay histogram showing THP-1 cells stained with A00026-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-C-MYC/MYC Antibody (A00026-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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