

Product datasheet

Anti-c-Myb antibody [ANA236B] ab169111

KO VALIDATED

2 Images

Overview

Product name	Anti-c-Myb antibody [ANA236B]
Description	Rat monoclonal [ANA236B] to c-Myb
Host species	Rat
Tested applications	Suitable for: WB Unsuitable for: ICC, IHC-Fr, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow 
Immunogen	Recombinant fragment (His-tag) corresponding to Human c-Myb aa 402-640. Sequence: FLNTSSNHE NSDLEMPSLT STPLIGHKLT VTTPFHRDQT VKTQKENTVF RTPAIKRSIL ESSPRTPTPF KHALAAQEIK YGPLKMLPQT PSHLVEDLQD VIKQESDESG VAEFQENGP PLLKKIKQEV ESPTDKSGNF FCSHHWEGDS LNTQLFTQTS PVADAPNILT SSVLMAPASE DEDNVLKAFT VPKNRSLASP LQPCSSTWEP ASCGKMEEQM TSSSQARKYV NAFSARTLVM Database link: P10242  Run BLAST with  Run BLAST with
Positive control	Recombinant Human c-Myb protein (ab114406) can be used as a positive control in WB. Hek-V5-c-Myb transfected cells; KARPAS299, Jurkat, MT2 and SUP-T1 cell lysates; Human thymus, bone marrow and lymphoblastic lymphoma tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
Clonality	Monoclonal
Clone number	ANA236B
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab169111 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

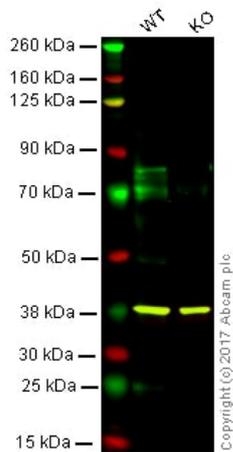
Application	Abreviews	Notes
WB		1/50. Predicted molecular weight: 72 kDa.

Application notes Is unsuitable for ICC,IHC-Fr,IHC-P or IP.

Target

Function	Transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.
Sequence similarities	Contains 3 HTH myb-type DNA-binding domains.
Domain	Comprised of 3 domains; an N-terminal DNA-binding domain, a centrally located transcriptional activation domain and a C-terminal domain involved in transcriptional repression.
Post-translational modifications	Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation. Phosphorylated by NLK on multiple sites, which induces proteasomal degradation.
Cellular localization	Nucleus.

Images



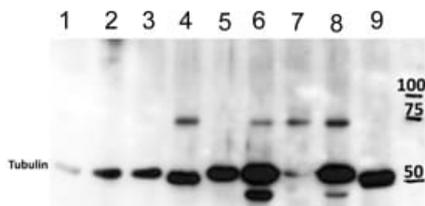
Western blot - Anti-c-Myb antibody [ANA236B] (ab169111)

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: c-Myb knockout HAP1 whole cell lysate (20 µg)

Lanes 1 - 2: Merged signal (red and green). Green - ab169111 observed at 75 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

Ab169111 was shown to specifically react with c-Myb, in wild type HAP1 cells as signal was lost in c-Myb knockout cells. Wild-type and c-Myb knockout samples were subjected SDS-PAGE. Ab169111 and **ab181602** (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 1/50 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rat IgG H&L (IRDye® 800CW) (**ab253031**) preabsorbed and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed **ab216777** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-c-Myb antibody [ANA236B] (ab169111)

All lanes : Anti-c-Myb antibody [ANA236B] (ab169111) at 1/50 dilution

Lane 1 : DAUDI cell lysate

Lane 2 : Ramos cell lysate

Lane 3 : Raji cell lysate

Lane 4 : KARPAS299 cell lysate

Lane 5 : HUT78 cell lysate

Lane 6 : Jurkat cell lysate

Lane 7 : MT2 cell lysate

Lane 8 : SUP-T1 cell lysate

Lane 9 : YT cell lysate

Lysates/proteins at 150 µg per lane.

Predicted band size: 72 kDa

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