


Product datasheet

Anti-c-Myb antibody ab226470

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Overview

Product name	Anti-c-Myb antibody
Description	Rabbit polyclonal to c-Myb
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide within Human c-Myb aa 1-50. The exact sequence is proprietary. (NP_005366.2). Database link: P10242
Positive control	IP: MOLT-4 whole cell lysate. IHC-P: Human salivary gland and breast carcinoma tissues; Mouse renal cell carcinoma tissue.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified

Purification notes	ab226470 was affinity purified using an epitope specific to c-Myb immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

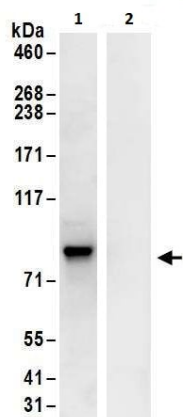
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab226470 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at 2-10 µg/mg of lysate.

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



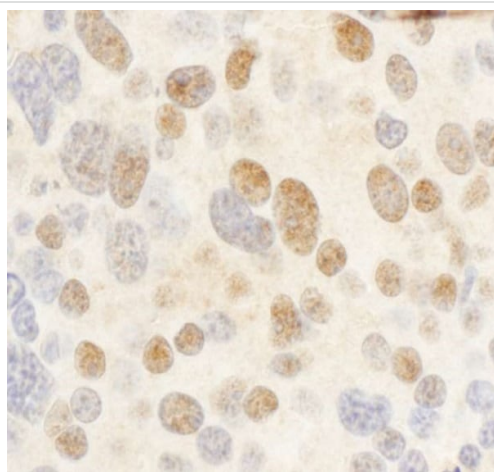
Immunoprecipitation - Anti-c-Myb antibody
(ab226470)

c-Myb was immunoprecipitated from MOLT-4 (human lymphoblastic leukemia cell line) whole cell lysate (1 mg for IP, 20% of IP loaded) with ab226470 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using a different rabbit anti-c-Myb antibody at 1 µg/ml.

Lane 1: ab226470 IP in MOLT-4 whole cell lysate.

Lane 2: Control IgG IP in MOLT-4 whole cell lysate.

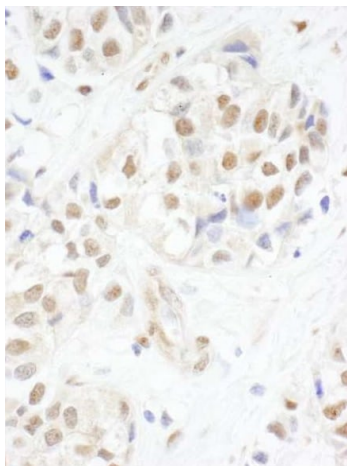
Detection: Chemiluminescence with exposure time of 10 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Myb antibody
(ab226470)

Formalin-fixed, paraffin-embedded mouse renal cell carcinoma tissue stained for c-Myb using ab226470 at 1/1000 dilution in immunohistochemical analysis.

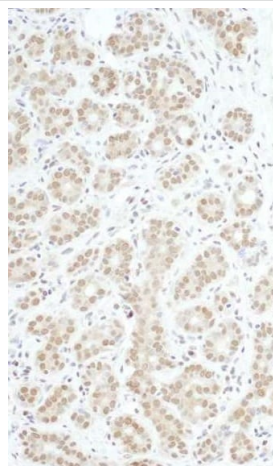
Detection: DAB staining.



Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for c-Myb using ab226470 at 1/5000 dilution in immunohistochemical analysis.

Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Myb antibody (ab226470)



Formalin-fixed, paraffin-embedded human salivary gland tissue stained for c-Myb using ab226470 at 1/1000 dilution in immunohistochemical analysis.

Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Myb antibody (ab226470)

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