

ARG66551 anti-c-Myb antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes c-Myb
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	c-Myb
Species	Human
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of Human c-Myb.
Conjugation	Un-conjugated
Alternate Names	Transcriptional activator Myb; Proto-oncogene c-Myb; c-myb_CDS; c-myb; Cmyb; efg

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:500
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 72 kDa	

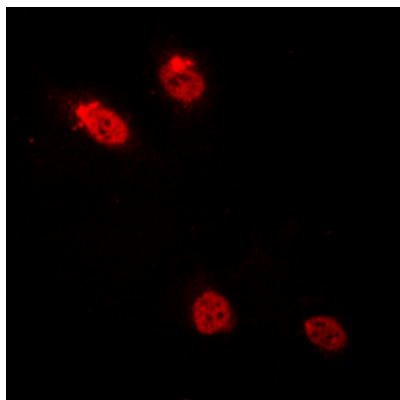
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

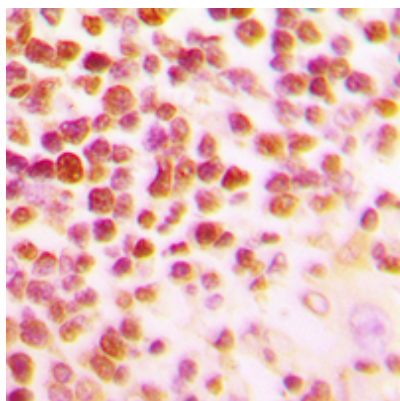
Gene Symbol	MYB
Gene Full Name	v-myb avian myeloblastosis viral oncogene homolog
Background	This gene encodes a transcription factor that is a member of the MYB family of transcription factor genes. The protein contains three domains, an N-terminal DNA-binding domain, a central transcriptional activation domain and a C-terminal domain involved in transcriptional repression. This protein plays an essential role in the regulation of hematopoiesis and may play a role in tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009]
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. [UniProt]
Calculated Mw	72 kDa
PTM	Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation. Phosphorylated by NLK on multiple sites, which induces proteasomal degradation. Phosphorylated by HIPK1. This phosphorylation reduces MYB transcription factor activity but not MYB protein levels. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG66551 anti-c-Myb antibody ICC/IF image

Immunofluorescence: Formalin-fixed HeLa cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66551 anti-c-Myb antibody (red) in 3% BSA-PBS and incubated overnight at 4°C in a humidified chamber. DAPI was used to stain the cell nuclei (blue).



ARG66551 anti-c-Myb antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then stained with ARG66551 anti-c-Myb antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ARG66551 anti-c-Myb antibody WB image

Western blot: K562 and Rat skeletal muscle lysates stained with ARG66551 anti-c-Myb antibody.

