c-MYB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	c-Myb, Polyclonal Antibody
Full Product Name	c-Myb (Acetyl-Lys471) Rabbit Polyclonal Antibody
Product Gene Name	anti-c-Myb antibody
Product Synonym Gene Name	MYB
Product Synonym Names	Transcriptional activator Myb (Proto-oncogene c-Myb); BH6842; c-Myb (Acetyl Lys471)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of Human,Mouse c-Myb (Acetyl Lys471)
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	72,341 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (135502453..135540311). Location: 6q22-q23
OMIM	189990
3D Structure	ModBase 3D Structure for P10242
Immunogen	Synthesized peptide derived from human c-Myb (Acetyl Lys471)
Modification	Acetyl Specific
Applications Tested/Suitable for anti-c-Myb antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-c-Myb antibody	WB: 1:1000-2000 ELISA: 1:5000-20000
Related Product Information for anti-c-Myb antibody	MBS9518290 is an antibody targeting c-Myb. Also known as c-Myb (Acetyl-Lys471) Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-c-Myb antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for c-Myb. It may not necessarily be applicable to this product.

NCBI GI #	194328727
NCBI GeneID	4602
NCBI Accession #	NP_001123644.1

UniProt Primary Accession #	P10242
UniProt Secondary Accession #	P78391; P78392; P78525; P78526; Q14023; Q14024; Q708E4; Q708E7; Q9UE83; E9PNL6
UniProt Related Accession #	P10242
GenBank Nucleotide #	NM_001130172.1
NCBI Official Full Name	transcriptional activator Myb isoform 3
NCBI Official Synonym Full Names	v-myb myeloblastosis viral oncogene homolog (avian)
NCBI Official Symbol	MYB
NCBI Official Synonym Symbols	efg; Cmyb; c-myb; c-myb_CDS
UniProt Protein Name	Transcriptional activator Myb
UniProt Synonym Protein Names	Proto-oncogene c-Myb
Protein Family	Cyclin-D-binding Myb-like transcription factor
UniProt Gene Name	MYB
UniProt Entry Name	MYB_HUMAN
NCBI Protein Information	transcriptional activator Myb; c-myb8B_CDS; c-myb10A_CDS; c-myb13A_CDS; c-myb14A_CDS; proto-oncogene c-Myb; c-myb protein (140 AA)
NCBI Summary for c-Myb	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]
UniProt Comments for c-Myb	Myb: 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. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; Oncoprotein; DNA-binding Chromosomal Location of Human Ortholog: 6q22-q23 Cellular Component: nuclear matrix; cytosol Molecular Function: protein binding; chromatin binding Biological Process: positive regulation of histone H3-K9 methylation; thymus development; transcription, DNA-dependent; in utero embryonic development; positive regulation of transcription, DNA-dependent; homeostasis of number of cells; positive regulation of histone H3-K4 methylation; negative regulation of transcription from RNA polymerase II promoter; chromatin remodeling; positive regulation of T-helper cell differentiation; regulation of transcription, DNA-dependent; calcium ion transport; B cell differentiation; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; blood coagulation; embryonic gut development; G1/S transition of mitotic cell cycle
Research Articles on c-Myb	**1.** These findings reveal an important and so far unknown connection between PRMT4 and the chromatin remodeller Mi2 in c-Myb signalling.
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