MYB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Myb, Polyclonal Antibody
Full Product Name	Myb (Ab-532) Conjugated Antibody
Product Gene Name	anti-Myb antibody
Product Synonym Names	Myb proto-oncogene protein; C-myb
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total Myb protein.
Preparation and Storage	Store at 4 degree C for 6 months.
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 non-phosphopeptide derived from human Myb around the phosphorylation site of serine 532 (V-E-S (p)-P-T).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-Myb antibody	Most Applications
Application Notes for anti-Myb antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-Myb antibody	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.
Other Notes	Small volumes of anti-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.
Searchable Terms for Myb purchase	MBS9444299 is an antibody targeting Myb. Also known as Myb (Ab-532) Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for 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	Myb protein
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 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 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 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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