



# Rabbit Anti-Human MYB Polyclonal Antibody (CABT-L2121)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to V-Myb Myeloblastosis Viral Oncogene Homolog (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against MYB. It has been selected for its ability to recognize MYB in immunohistochemical staining and western blotting.
<b>Target</b>	MYB
<b>Immunogen</b>	Recombinant fragment corresponding to human MYB (Thr305~Gln558)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	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]
<b>Keywords</b>	Cmyb;C-Myb_CDS;Efg;Proto-oncogene c-Mybl;Transcriptional activator Myb

## GENE INFORMATION

<b>Gene Name</b>	MYB v-myb avian myeloblastosis viral oncogene homolog [ Homo sapiens (human) ]
<b>Official Symbol</b>	MYB
<b>Synonyms</b>	MYB; v-myb avian myeloblastosis viral oncogene homolog; efg; Cmyb; c-myb; c-myb_CDS; transcriptional activator Myb; c-myb8B_CDS; c-myb10A_CDS; c-myb13A_CDS; c-myb14A_CDS; proto-oncogene c-Myb; c-myb protein (140 AA);
<b>Entrez Gene ID</b>	<a href="#">4602</a>
<b>Protein Refseq</b>	NP_001123644
<b>UniProt ID</b>	<a href="#">P10242</a>
<b>Chromosome Location</b>	6q22-q23
<b>Pathway</b>	C-MYB transcription factor network; Factors involved in megakaryocyte development and platelet production; HTLV-I infection; Hemostasis; IL2 signaling events mediated by PI3K; IL4-mediated signaling events; Neural Crest Differentiation; Notch-mediated HES/HEY network;
<b>Function</b>	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; WD40-repeat domain binding; chromatin binding; protein binding;