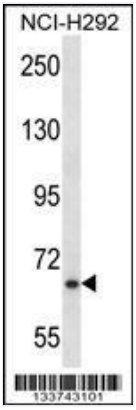
MYB Antibody – Rabbit Polyclonal

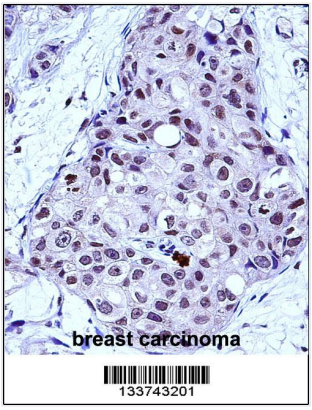
PRODUCT OVERVIEW

Product Name	MYB, Polyclonal Antibody
Full Product Name	MYB, ID (MYB, Transcriptional activator Myb, Proto-oncogene c-Myb) (APC)
Product Gene Name	anti-MYB antibody
Product Synonym Names	MYB; Transcriptional activator Myb; Proto-oncogene c-Myb
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	37,507 Da
OMIM	189990
3D Structure	ModBase 3D Structure for P10242
Immunogen	MYB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 418-448 amino acids from the Central region of human MYB.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-MYB antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MYB antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-MYB antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-MYB antibody	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.
Product References and Citations for anti-MYB antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Tanno, B., et al. J. Biol. Chem. 285(38):29434-29445(2010). Melen, E., et al. J. Allergy Clin. Immunol. 126(3):631-637(2010). Stenman, G., et al. Cell Cycle 9(15):2986-2995(2010). Deisenroth, C., et al. Mol. Cell. Biol. 30(16):3981-3993(2010).

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	MBS6323111 is an antibody targeting MYB. Also known as MYB, ID (MYB, Transcriptional activator Myb, Proto-oncogene c-Myb) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MYB antibody
MYB Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the MYB antibody detected the MYB protein (arrow).



Immunohistochemistry (IHC) of anti-MYB antibody
MYB Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MYB Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	194328729
NCBI GeneID	4602
NCBI Accession #	NP_001123645.1
NCBI Related Accession #	NP_001123644.1; NP_005366.2
UniProt Primary Accession #	P10242
UniProt Secondary Accession #	P78391; P78392; P78525; P78526; Q14023; Q14024; E9PI07; E9PLZ5; E9PNA4; E9PNL6; E9PRS2
UniProt Related Accession #	P10242
GenBank Nucleotide #	NM_001130173.1
NCBI Official Full Name	transcriptional activator Myb isoform 1
NCBI Official Synonym Full Names	MYB proto-oncogene, transcription factor
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

NCBI Summary for MYB	This gene encodes a protein with three HTH DNA-binding domains that functions as a transcription regulator. This protein plays an essential role in the regulation of hematopoiesis. This gene may be aberrently expressed or rearranged or undergo translocation in leukemias and lymphomas, and is considered to be an oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
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.** MYB is aberrantly overexpressed in PC cells and acts as a key determinant of pancreatic tumour growth and metastasis
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