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Product datasheet for AP20207PU-M

B MyB (MYBL2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	**Western Blot:** 1/500-1/1000. **Immunofluorescence:** 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody antibody detects endogenous levels of B-Myb / MYB2 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~80 kDa
Gene Name:	MYB proto-oncogene like 2
Database Link:	Entrez Gene 17865 MouseEntrez Gene 296344 RatEntrez Gene 4605 Human P10244

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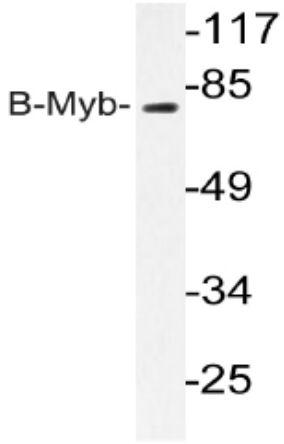
Background: Expression of the B-Myb transcription factor is upregulated during late G1 phase of the cell cycle by an E2F-dependent transcriptional mechanism. B-Myb is specifically phosphorylated during S phase, suggesting that a cyclin-dependent kinase (Cdk) regulates its activity. Consistent with this notion, the S phase-specific cyclin A/Cdk2 was found previously to enhance B-Myb transactivation activity in cotransfected cells. There is evidence that B-Myb is a direct physiological target for cyclin A/Cdk2. Data indicate that phosphorylation by cyclin A/Cdk2 is directly involved in enhancing B-Myb transactivation activity and that levels of endogenous cyclin A/Cdk2 activity may contribute to cell line-specific B-Myb function . Nuclear entry of B-Myb is dependent on multiple nuclear localization signals (NLS's). Mutagenesis of the putative NLS's of B-Myb has identified two separate NLS's, NLS1 and NLS2. Each of the two NLS's is essential for efficient nuclear targeting.

Synonyms: BMYB, B-Myb

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:



Western blot analysis of B-Myb antibody (Cat.-No. [AP20207PU-N]) in extracts from K562 cells.