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MYBL2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant MYBL2.
Catalog # AT2942a

Product Information

Application	WB, IF, E
Primary Accession	P10244
Other Accession	BC053555
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1C7
Calculated MW	78764

Additional Information

Gene ID	4605
Other Names	Myb-related protein B, B-Myb, Myb-like protein 2, MYBL2, BMYB
Target/Specificity	MYBL2 (AAH53555, 601 a.a. ~ 700 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MYBL2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

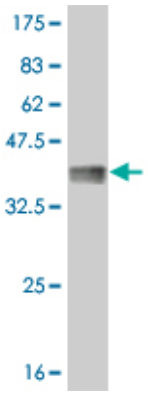
The protein encoded by this gene, a member of the MYB family of transcription factor genes, is a nuclear protein involved in cell cycle progression. The encoded protein is phosphorylated by cyclin A/cyclin-dependent kinase 2 during the S-phase of the cell cycle and possesses both activator and repressor activities. It has been shown to activate the cell division cycle 2, cyclin D1, and insulin-like growth factor-binding protein 5 genes. Transcript variants may exist for this gene, but their full-length natures have not been determined.

References

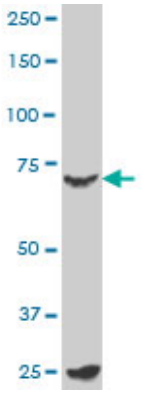
Focal amplifications are associated with high grade and recurrences in stage Ta bladder carcinoma. Nord H,

et al. Int J Cancer, 2010 Mar 15. PMID 19821490.Genetic susceptibility to distinct bladder cancer subphenotypes. Guey LT, et al. Eur Urol, 2010 Feb. PMID 19692168.PTEN identified as important risk factor of chronic obstructive pulmonary disease. Hosgood HD 3rd, et al. Respir Med, 2009 Dec. PMID 19625176.B-MYB is required for recovery from the DNA damage-induced G2 checkpoint in p53 mutant cells. Mannefeld M, et al. Cancer Res, 2009 May 1. PMID 19383908.Polymorphisms in innate immunity genes and lung cancer risk in Xuanwei, China. Shen M, et al. Environ Mol Mutagen, 2009 May. PMID 19170196.

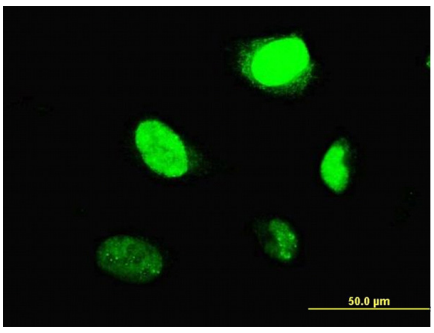
Images



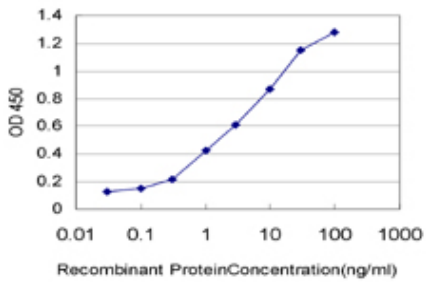
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



MYBL2 monoclonal antibody (M02), clone 1C7 Western Blot analysis of MYBL2 expression in K-562 ((Cat # AT2942a)



Immunofluorescence of monoclonal antibody to MYBL2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged MYBL2 is approximately 0.03ng/ml as a capture antibody.