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MYC Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1559a

Product Information

Application	WB, E
Primary Accession	P01106
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7E10
Isotype	IgG1
Calculated MW	48804 Da
Description	The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. (provided by RefSeq).
Immunogen	Purified recombinant fragment of human MYC expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Other Names	Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, bHLHe39, Proto-oncogene c-Myc, Transcription factor p64, MYC, BHLHE39
Dilution	WB~~1/500 - 1/2000 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MYC Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

References

1. Mol Cell. 2009 Sep 11;35(5):610-25. 2. Clin Immunol. 2009 Dec;133(3):324-32.

Images

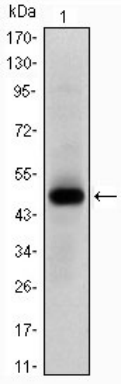

Figure 1: Western blot analysis using MYC mAb against human MYC (AA:214-387) recombinant protein. (Expected MW is 44.7 kDa)