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Datasheet

MYC polyclonal antibody

Catalog Number: PAB1903

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of MYC.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S62 of human MYC.

Host: Rabbit

Reactivity: Human

Applications: WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Protein A purification

Recommend Usage: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4609

Gene Symbol: MYC

Gene Alias: bHLHe39, c-Myc

Gene Summary: 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]

References:

1. Primary diffuse large B-cell lymphoma of bone displays preferential rearrangements of the c-MYC or BCL2 gene. Lima FP, Bousquet M, Gomez-Brouchet A, de Paiva GR, Amstalden EM, Soares FA, Dastugue N, Vassallo J, Brousset P. Am J Clin Pathol. 2008 May;129(5):723-6.
2. Changes in the gene expression of C-myc and CD38 in HL-60 cells during differentiation induced by nicotinic acid-related compounds. Ida C, Ogata S, Okumura K, Taguchi H. Biosci Biotechnol Biochem. 2008 Mar;72(3):868-71. Epub 2008 Mar 7.
3. DNA-activated protein kinase in Raji Burkitt's lymphoma cells. Phosphorylation of c-Myc oncoprotein. Iijima S, Teraoka H, Date T, Tsukada K. Eur J Biochem. 1992 Jun 1;206(2):595-603.