

Datasheet

MYC (phospho S62) monoclonal antibody, clone 33A12E10

Catalog Number: MAB6763

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic phosphopeptide of MYC.

Clone Name: 33A12E10

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding S62 of human MYC.

Host: Mouse

Reactivity: Human

Applications: ELISA, 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

Isotype: IgG2b, kappa

Recommend Usage: Western Blot (1 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In antiserum (0.05% sodium azide)

Storage Instruction: 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. MiR-138 downregulates miRNA processing in HeLa cells by targeting RMND5A and decreasing Exportin-5 stability. Li J, Chen Y, Qin X, Wen J, Ding H, Xia W, Li S, Su X, Wang W, Li H, Zhao Q, Fang T, Qu L, Shao N Nucleic Acids Res. 2013 Sep 20.
2. MYC-dependent regulation and prognostic role of CIP2A in gastric cancer. Khanna A, Bockelman C, Hemmes A, Junttila MR, Wiksten JP, Lundin M, Junnila S, Murphy DJ, Evan GI, Haglund C, Westermarck J, Ristimaki A. J Natl Cancer Inst. 2009 Jun 3;101(11):793-805. Epub 2009 May 26.
3. CIP2A inhibits PP2A in human malignancies. Junttila MR, Puustinen P, Niemela M, Ahola R, Arnold H, Bottzauw T, Ala-aho R, Nielsen C, Ivaska J, Taya Y, Lu SL, Lin S, Chan EK, Wang XJ, Grenman R, Kast J, Kallunki T, Sears R, Kahari VM, Westermarck J. Cell. 2007 Jul 13;130(1):51-62.