9F, No. 108, Jhouzih St., Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

MYC (phospho T58) polyclonal antibody

Catalog Number: PAB0541

Regulatory Status: For research use only (RUO)

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

Immunogen: Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T58 of human MYC.

Host: Rabbit

Reactivity: Human

Applications: Dot-Pep, WB-Ce
(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: Dot Blot (1:100-500)
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. A Comparison of Phosphospecific Affinity Reagents Reveals the Utility of Recombinant Forkhead-associated Domains in Recognizing Phosphothreonine-containing Peptides. Venegas LA, Pershad K, Bankole O, Shah N, Kay BK. N Biotechnol. 2016 Jan 6. [Epub ahead of print]
2. Level of MYC overexpression in pediatric Burkitt's lymphoma is strongly dependent on genomic breakpoint location within the MYC locus. Wilda M, Busch K, Klose I, Keller T, Woessmann W, Kreuder J, Harbott J, Borkhardt A. Genes Chromosomes Cancer. 2004 Oct;41(2):178-82.
3. Prolactin induces c-Myc expression and cell survival through activation of Src/Akt pathway in lymphoid cells. Dominguez-Caceres MA, Garcia-Martinez JM, Calcabrini A, Gonzalez L, Porque PG, Leon J, Martin-Perez J. Oncogene. 2004 Sep 23;23(44):7378-90.