

Datasheet

MYC-tag polyclonal antibody

Catalog Number: PAB10345

Regulatory Status: For research use only (RUO)

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

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to amino acids 410-419 of human MYC-tag.

Sequence: EQKLISEEDL

Host: Rabbit

Reactivity: Human

Applications: ELISA, IHC, WB-Re, 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

Specificity: This affinity purified antibody is directed against human c-Myc and is useful in determining its presence in various assays. This polyclonal anti-Myc-tag antibody detects overexpressed proteins containing the Myc epitope tag. This antibody recognizes the Myc-tag (Glu-Gln-Lys-Leu-Ile-Ser-Glu-Glu-Asp-Leu) fused to either the amino- or carboxy- termini of targeted proteins in transfected or transformed cells.

Form: Liquid

Recommend Usage: ELISA (1:135000)
Western Blot (1:500-1:5000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% 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]