



Magic™ Anti-c-Myc (N-terminal)(phospho T58) polyclonal antibody (CABT-B480)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Recognizes endogenous levels of c-Myc (pT58) protein.
Target	c-Myc
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human c-Myc. The exact sequence is proprietary.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Chicken, Dog, Pig, Rat, Zebrafish, Sheep, Bovine
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	IHC, IHC-P, IP, WB
Format	Liquid
Size	100 µl
Buffer	Liquid in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol; and 0.01% sodium azide.
Preservative	0.01% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

BACKGROUND

Introduction 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 Burkitts lymphomas, suggesting its importance in the normal function of this gene.

Keywords MYC;v-myc avian myelocytomatosis viral oncogene homolog;MRTL;MYCC;c-Myc;bHLHe39;myc proto-oncogene protein;proto-oncogene c-Myc;transcription factor p64;class E basic helix-loop-helix protein 39

GENE INFORMATION

Synonyms bHLHe39; MYCC; MYC; MRTL; v-myc avian myelocytomatosis viral oncogene homolog; c-Myc