

C-Myc Antibody

ALTERNATE NAMES: MYC; BHLHE39; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; Proto-oncogene c-Myc; Transcription factor p64

CATALOG #: 6767-100

AMOUNT: 100 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: This MYC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-69 amino acids from human MYC.

PURIFICATION: This antibody is purified through a protein A column, followed by peptide affinity purification.

MOLECULAR WEIGHT: ~48.804 kDa

FORM: Liquid

FORMULATION: Supplied in in PBS with 0.09% (W/V) sodium azide.

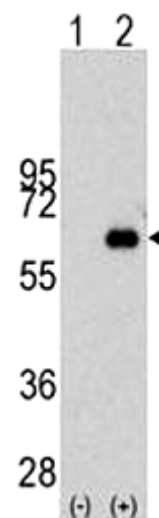
SPECIES REACTIVITY: Human. Predicted reactivity with Mouse, Rat, Bovine and Pig samples.

STORAGE CONDITIONS: Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

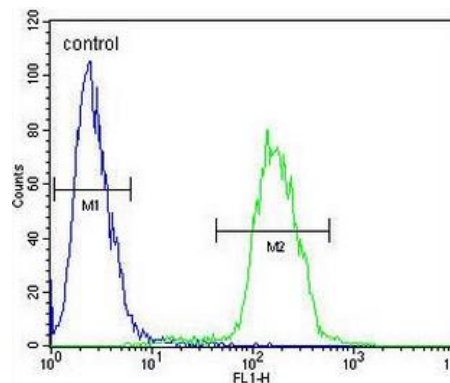
DESCRIPTION: c-Myc-, N-Myc- and L-Myc-encoded proteins function in cell proliferation, differentiation and neoplastic disease. Myc proteins are nuclear proteins with relatively short half-lives. Amplification of the c-Myc gene has been found in several types of human tumors including lung, breast and colon carcinomas, while the N-Myc gene has been found amplified in neuroblastoma. The L-Myc gene has been reported to be amplified and expressed at high level in human small cell lung carcinomas. The presence of three sequence motifs in the c-Myc COOH terminus, including the leucine zipper, the helix-loop-helix and a basic region provided initial evidence for a sequence-specific binding function. A basic region helix-loop-helix leucine zipper motif (bHLH-Zip) protein designated Max, specifically associates with c-Myc, N-Myc and L-Myc proteins. The Myc-Max complex binds to DNA in a sequence-specific manner under conditions where neither Max nor Myc exhibit appreciable binding. Max can also form heterodimers with at least two additional bHLH-Zip proteins, Mad and Mxi1, and Mad-Max dimers have been shown to repress transcription through interaction with mSin3.

APPLICATION: Western blot: ~1:1000, FC: 1:10 – 1:50.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of MYC (arrow) using rabbit polyclonal MYC Antibody. 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the MYC gene (Lane 2)



MYC-pS62 Antibody flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

RELATED PRODUCTS:

- Myc-Tag Antibody (Cat # 3995-100)
- C-Myc Antibody Phospho (pT58/pS62) (Clone # E203) (Cat # 6766-50)

FOR RESEARCH USE ONLY! Not to be used on humans.

