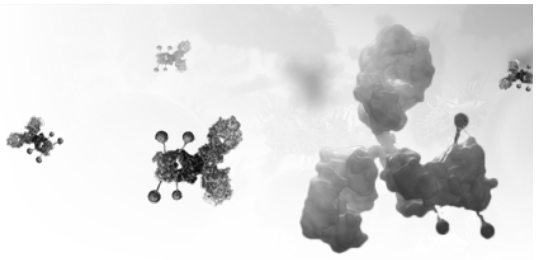

Rabbit Anti-MYC monoclonal antibody, clone TU50-19 (DCABH-3661)

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

PRODUCT INFORMATION

Target	Phospho-c-Myc(S62)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU50-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF,IHC, IP
Molecular Weight	57 kDa
Cellular Localization	Nucleus.
Positive Control	A549, HCT116, Hela, HepG2.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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 neuroblastomas. 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.
Keywords	AU016757;Avian myelocytomatosis viral oncogene homolog;bHLHe39;c Myc;Class E basic helix-loop-helix protein 39;MRTL;Myc;Myc protein;Myc proto oncogene protein;Myc proto-oncogene protein;myc-related translation/localization regulatory factor;MYC_HUMAN;Myc2;MYCC;Myelocytomatosis oncogene;Niard;Nird;Oncogene Myc;OTTHUMP00000158589;Proto-oncogene c-Myc;Protooncogene homologous to myelocytomatosis virus;RNCMYC;Transcription factor p64;Transcriptional regulator Myc-A;V-Myc avian myelocytomatosis viral oncogene homolog;v-myc myelocytomatosis viral oncogene homolog (avian) antibody

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