

c-Myc (phospho Thr358) rabbit pAb

Cat No.: ES6306

For research use only

Overview

Product Name c-Myc (phospho Thr358) rabbit pAb

Host species Rabbit

Applications IHC;IF;IP;ELISA Species Cross-Reactivity Human;Mouse;Rat

Recommended dilutions Immunohistochemistry: 1/100 - 1/300.

Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/20000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human Myc around the phosphorylation site of Thr358. AA range:325-374

Specificity Phospho-c-Myc (T358) Polyclonal Antibody detects

endogenous levels of c-Myc protein only when

phosphorylated at T358.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Myc proto-oncogene protein

Gene Name MYC

Cellular localizationNucleus, nucleoplasm . Nucleus, nucleolus .PurificationThe antibody was affinity-purified from rabbitanticorum by affinity chromatography using

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band 50,(also ~60KD in some samples)

Human Gene ID 4609 **Human Swiss-Prot Number** P01106

Alternative Names MYC; BHLHE39; Myc proto-oncogene protein; Class

E basic helix-loop-helix protein 39; bHLHe39; Proto-oncogene c-Myc; Transcription factor p64

Background The protein encoded by this gene is a

multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular

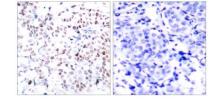


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transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias 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, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Myc (Phospho-Thr358) Antibody. The picture on the right is blocked with the phospho peptide.



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