

## Phospho-MYC-T58

**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**60kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding T58 of human MYC

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

bkmoq

**Synonym:**

MRTL; MYCC; c-Myc; bHLHe39;

**Catalog #:**AP0131

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**4609

**Isotype:**IgG

**Swiss Prot:**P01106

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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