

# Phospho-c-Myc-S62 Rabbit mAb

Catalog No.: AP0989 **Recombinant** **3 Publications**

## Basic Information

**Observed MW**

62kDa

**Calculated MW**

51kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Human, Mouse

**CloneNo number**

ARC1533

## Background

This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini.

## Recommended Dilutions

**WB** 1:500 - 1:1000

## Immunogen Information

**Gene ID**

4609

**Swiss Prot**

P01106

**Immunogen**

A synthetic phosphorylated peptide around S62 of human c-Myc (NP\_002458.2).

**Synonyms**

MRTL; MYCC; c-Myc; bHLHe39; Phospho-c-Myc-S62

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

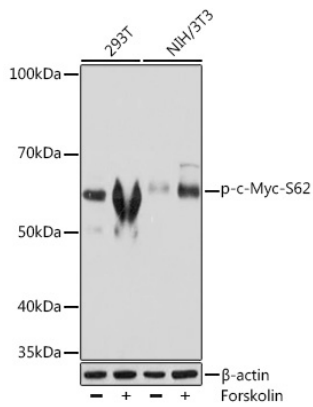
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using Phospho-c-Myc-S62 Rabbit mAb (AP0989) at 1:1000 dilution. 293T cells were treated by Forskolin (10  $\mu$ M) at 37°C for 30 minutes after serum-starvation overnight. NIH/3T3 cells were treated by Forskolin (30  $\mu$ M) at 37°C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.