

[KO Validated] c-Myc Rabbit mAb

Catalog No.: A19032 **KO Validated** **Recombinant** **16 Publications**

Basic Information

Observed MW

50-60kDa

Calculated MW

51kDa

Category

Primary antibody

Applications

WB,ELISA,ChIP,CUT&Tag

Cross-Reactivity

Human

CloneNo number

ARC0412

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 1:1000 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.


ChIP 5µg antibody for 10µg-15µg of Chromatin

CUT&Tag 10⁵ cells /1 µg

Contact

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Immunogen Information

Gene ID

4609

Swiss Prot

P01106

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human c-Myc (P01106).

Synonyms

MRTL; MYCC; c-Myc; bHLHe39; yc

Product Information

Source

Rabbit

Isotype

IgG

Purification

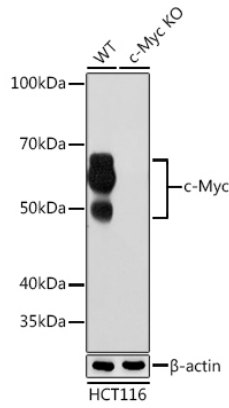
Affinity purification

Storage

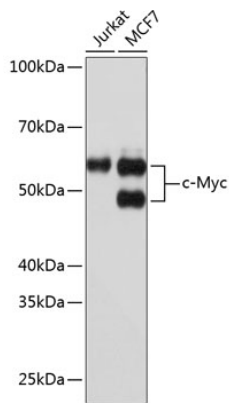
Store at -20°C. Avoid freeze / thaw cycles.

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

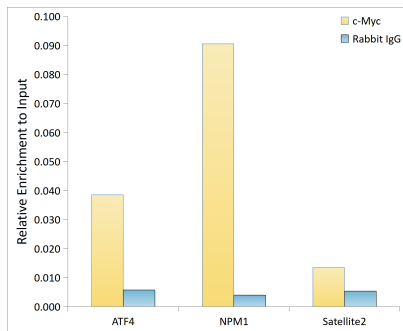
Validation Data



Western blot analysis of lysates from wild type (WT) and c-Myc knockout (KO) HCT 116 cells, using [KO Validated] c-Myc Rabbit mAb (A19032) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10s.

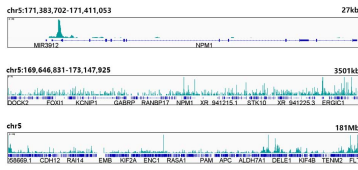


Western blot analysis of various lysates using [KO Validated] c-Myc Rabbit mAb (A19032) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of K562 cells, using c-Myc antibody (A19032) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

Validation Data



UT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from 10^5 K562 cells with $1\mu\text{g}$ c-Myc Rabbit mAb(A19032), along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of ESE1 in representative gene loci (NPM1), as shown in figure.