Leader in Biomolecular Solutions for Life Science

www.abclonal.com

[KO Validated] c-Myc Rabbit mAb

Catalog No.: A19032 KO Validated Recombinant 36 Publications

Basic Information

Observed MW
50-60 kDa

Calculated MW
51 kDa

Category
Primary antibody

Applications
WB,Auto WB,ChIP,CUT&Tag,ELISA

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
Auto WB	1:100 - 1:500
ChIP	5μg antibody for 10μg-15μg of Chromatin
CUT&Tag	10^5 cells /1 μg
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4609

Swiss Prot
P01106

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
MRTL; MYCC; c-Myc; bHLHe39; yc

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

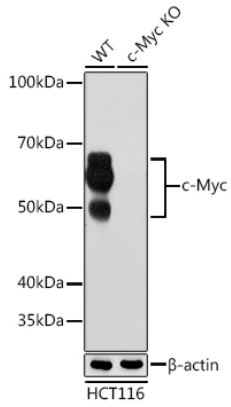
Contact

400-999-6126

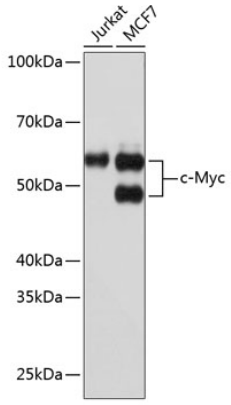
cn.market@abclonal.com.cn

www.abclonal.com.cn

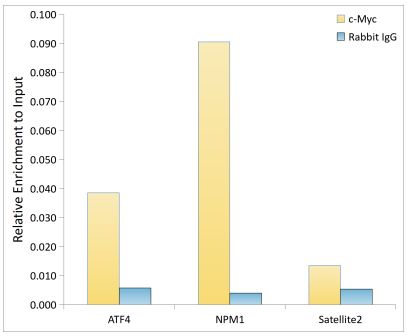
Validation Data



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.

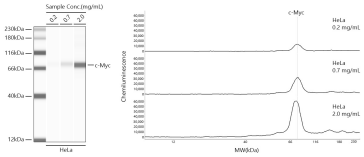


Western blot analysis of various lysates using [KO Validated] c-Myc Rabbit mAb (A19032) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit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

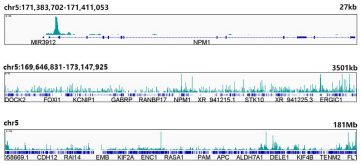


Chromatin immunoprecipitation analysis of extracts of K562 cells, using c-Myc antibody (A19032) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

Validation Data



Simple Western™ analysis of lysates from HeLa cells using [KO Validated] c-Myc Rabbit mAb (A19032) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.2 mg/mL, 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.2 mg/mL, 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



UT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from 10^5 K562 cells with 1µg 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.