

A19032

Leader in Biomolecular Solutions for Life Science



## [KO Validated] c-Myc Rabbit mAb

Catalog No.: A19032

**KO Validated**

**Recombinant**

**14 Publications**

### Basic Information

#### Observed MW

50-60kDa

#### Calculated MW

51kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,ChIP,ELISA,CUT&Tag

#### Cross-Reactivity

Human,Mouse

#### 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** 1:500 - 1:1000

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

**CUT&Tag** 10<sup>5</sup> cells /1 µg

### 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

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

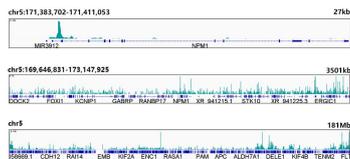
Affinity purification

#### Storage

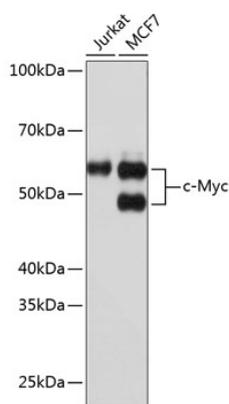
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data

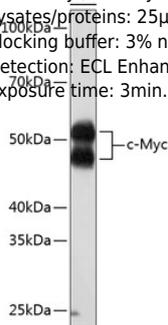


UT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from  $10^5$  K562 cells with  $1\mu\text{g}$  c-Myc Rabbit mAb(A19032), along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of ESE1 in representative gene loci (NPM1), as shown in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

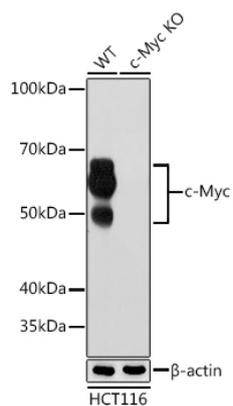


Western blot analysis of various lysates using [KO Validated] c-Myc Rabbit mAb (A19032) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins:  $25\mu\text{g}$  per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: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

Western blot analysis of lysates from Mouse ovary, using [KO Validated] c-Myc Rabbit mAb (A19032) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins:  $25\mu\text{g}$  per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Enhanced Kit (RM00021).  
 Exposure time: 3min.



## 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 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.