

[KO Validated] c-Myc Rabbit mAb

Catalog No.: A19032 **KO** **Validated** **Recombinant** **2 Publications**

Basic Information

Catalog No.

A19032

Observed MW

50-60kDa

Calculated MW

57kDa

Category

Primary antibody

Applications

WB, IF, ChIP

Cross-Reactivity

Human, Mouse

Recommended Dilutions

WB	1:500 - 1:2000
IF	1:50 - 1:200
ChIP	1:50 - 1:200

Contact

 | www.abclonal.com

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. [provided by RefSeq, Jul 2008]

Immunogen Information

Gene ID	Swiss Prot
4609	P01106

Immunogen

A synthesized peptide derived from human c-Myc

Synonyms

MRTL;MYCC;bHLHe39;c-Myc;MYC

Product Information

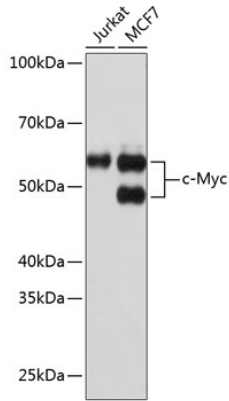
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

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 extracts of various cell lines, using c-Myc antibody (A19032) at 1:1000 dilution.

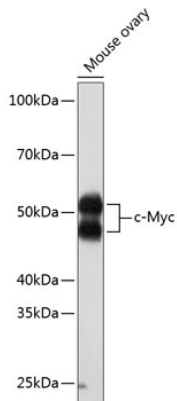
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of extracts of Mouse ovary, using c-Myc antibody (A19032) at 1:1000 dilution.

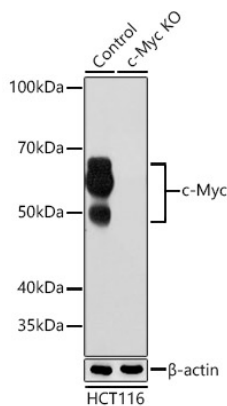
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 3min.



Western blot analysis of extracts from normal (control) and c-Myc knockout (KO) HCT116 cells, using c-Myc antibody (A19032) at 1:1000 dilution.

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

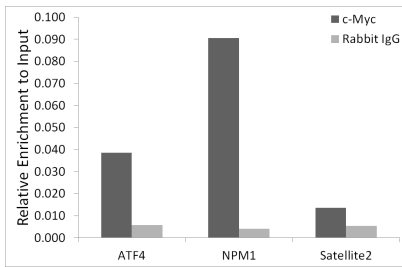
Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

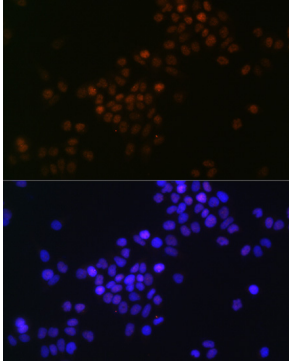
Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

Validation Data



Chromatin immunoprecipitation analysis of extracts of K-562 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.



Immunofluorescence analysis of HeLa cells using c-Myc Rabbit mAb (A19032) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.