



## Rabbit Anti-Myc tag antibody

SL0842R

<b>Product Name:</b>	Myc tag
<b>Chinese Name:</b>	c-Myc tag 标签抗体
<b>Alias:</b>	avian myelocytomatosis viral oncogene homolog; bHLHe39; c-Myc; C-Myc-Tag; class E basic helix-loop-helix protein 39; MRTL; MYC; Myc Epitope Tag; myc proto-oncogene protein; myc-related translation/localization regulatory factor; oncogene c-Myc; proto-oncogene c-Myc; protooncogene homologous to myelocytomatosis virus; transcription factor p64; v-myc avian myelocytomatosis viral oncogene homolog; v-myc myelocytomatosis viral oncogene homolog (avian); MYC HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,proteins containing Myc epitope tag fused
<b>Applications:</b>	WB=1:1000-5000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	49kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated C-EQKLISEEDL (human Proto-oncogene c-Myc):
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Epitope tags are useful for the labeling and detection of proteins using immunoblotting,

immunoprecipitation and immunostaining techniques. Due to their small size, they are unlikely to affect the tagged protein's biochemical properties. The Myc epitope tag is widely used to detect expression of recombinant proteins in bacteria, yeast, insect and mammalian cell systems.

The c-Myc protein is a transcription factor, which is encoded by the c-Myc gene on human chromosome 8q24. c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin dependent kinase, ERK2 and C-Jun N terminal Kinase (JNK) in cell proliferation and cell cycle regulation. Studies also have shown that c-Myc is essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells, and which brought extensive attention in the development of new therapeutic approach for cancer treatment.

**Subunit:**

Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a heterodimer with MAX. Interacts with TAF1C and SPAG9. Interacts with PARP10. Interacts with KDM5A and KDM5B. Interacts (when phosphorylated at Thr-58 and Ser-62) with FBXW7. Interacts with PIM2 (By similarity). Interacts with NO66.

**Subcellular Location:**

Nucleus, nucleoplasm. Nucleus, nucleolus.

**Similarity:**

Contains 1 basic helix-loop-helix (bHLH) domain.

**SWISS:**

P01106

**Gene ID:**

4609

**Database links:**

[Entrez Gene: 4609](#)Human

[Entrez Gene: 17869](#)Mouse

[Entrez Gene: 24577](#)Rat

[Oimim: 190080](#)Human

[SwissProt: P01106](#)Human

[SwissProt: P01108](#)Mouse

[SwissProt: P09416](#)Rat

[Unigene: 202453](#)Human

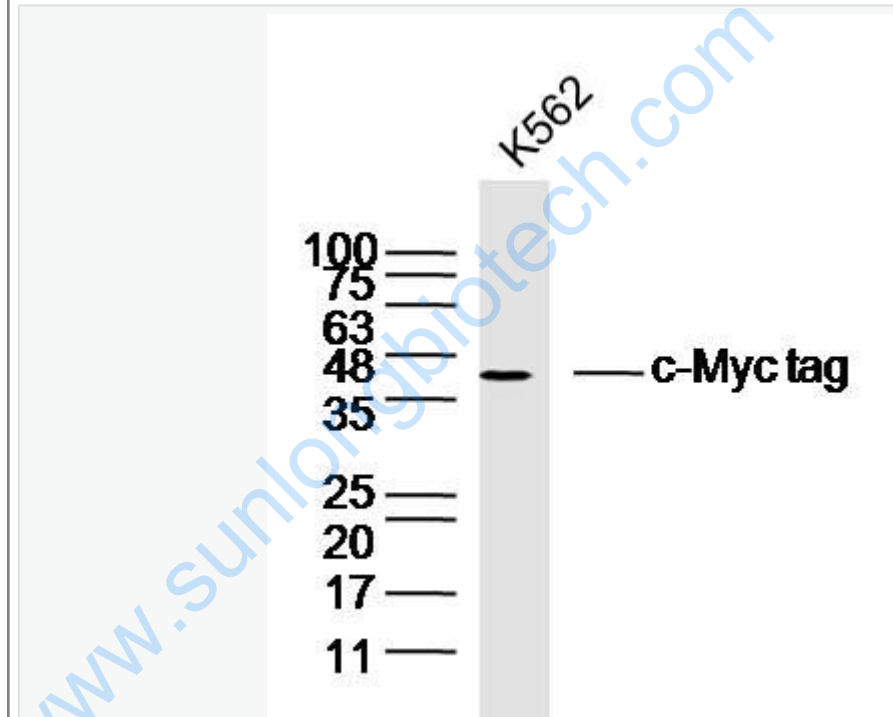
[Unigene: 2444](#)Mouse

[Unigene: 12072](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

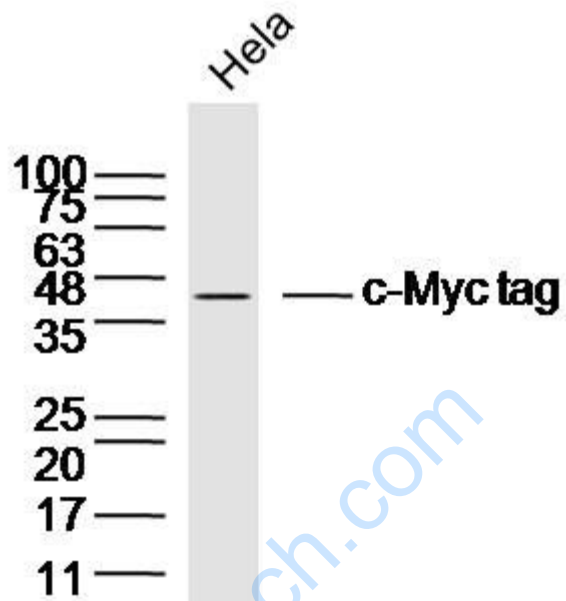
K562 Cell (Human) Lysate at 40 ug

Primary: Anti-Myc tag (SL0842R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

Observed band size: 45 kD



Sample:

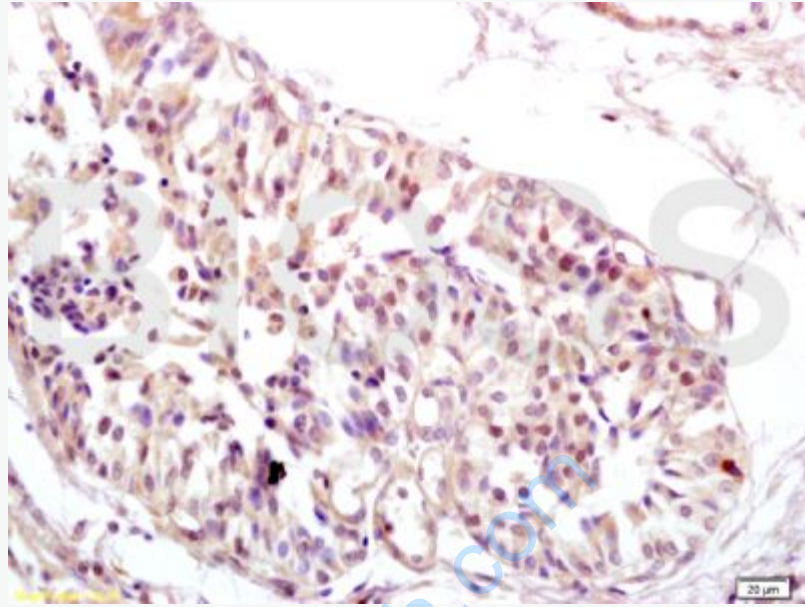
HeLa Cell (Human) Lysate at 40 ug

Primary: Anti-Myc tag (SL0842R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

Observed band size: 45 kD



Tissue/cell: human endometrium tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-C-Myc Polyclonal Antibody, Unconjugated(SL0842R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining