

**产品名称: c-Myc (phospho Ser373) Rabbit Polyclonal Antibody**  
**产品货号: APRab04478**



## 产品概述 (Summary)

|                        |                                                   |
|------------------------|---------------------------------------------------|
| 产品名称 (Production Name) | c-Myc (phospho Ser373) Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                        |
| 宿主 (Host)              | Rabbit                                            |
| 应用 (Application)       | IHC, ICC, IF, ELISA, IP                           |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat                                 |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Phosphorylated                                                                                    |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | MYC                                                                                                                                                |
| 别名 (Alternative Names) | MYC; BHLHE39; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; bHLHe39; Proto-oncogene c-Myc; Transcription factor p64       |
| 基因 ID (Gene ID)        | 4609.0                                                                                                                                             |
| 蛋白 ID (SwissProt ID)   | P01106. The antiserum was produced against synthesized peptide derived from human Myc around the phosphorylation site of Ser373. AA range: 340-389 |

## 产品应用 (Application)

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio) | IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000, IP 1:20-1:50 |
|----------------------|-------------------------------------------------------------------------|

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**蛋白分子量 (Molecular Weight)** 50,(also ~60kDa in some samples)

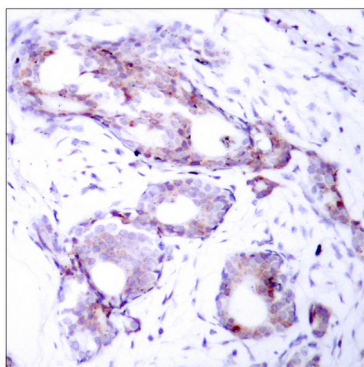
## 研究背景 (Background)

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],disease:A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia. Translocation t(8;12)(q24;q22) with BTG1.,disease:Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors.,function:Participates in the regulation of gene transcription. Binds DNA both in a non-specific manner and also specifically to recognizes the core sequence 5'-CAC[GA]TG-3'. Seems to activate the transcription of growth-related genes.,online information:Myc entry,PTM:Phosphorylated by PRKDC.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,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.,

## 研究领域 (Research Area)

Stem cell pathway; Cell\_Cycle\_G1S;Cell\_Cycle\_G2M\_DNA; WNT;WNT-T CELL;β-Catenin; ErbB/HER; MAPK\_ERK\_Growth;MAPK\_G\_Protein; PI3K/Akt; Protein\_Acetylation

## 图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Myc (Phospho-Ser373) Antibody.

## 注意事项 (Note)

For research use only .

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