

c-Myc (Phospho Ser62) Rabbit pAb

CatalogNo: YP0861 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 50kD, (also ~60kD in some samples) (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:40000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Myc around the phosphorylation site of Ser62. AA range: 31-80

Specificity

Phospho-c-Myc (S62) Polyclonal Antibody detects endogenous levels of c-Myc protein only when phosphorylated at S62. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PLSPS

Target Information

Gene name MYC BHLHE39

Protein Name Myc proto-oncogene protein

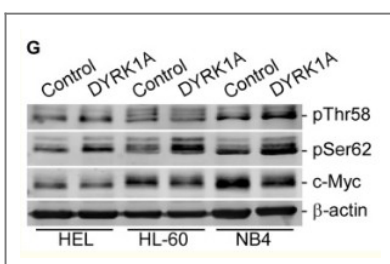
| Organism | Gene ID | UniProt ID |
|----------|-------------------------|--------------------------|
| Human | 4609 ; | P01106 ; |
| Mouse | 17869 ; | P01108 ; |
| Rat | 24577 ; | P09416 ; |

Cellular Localization Nucleus, nucleoplasm . Nucleus, nucleolus .

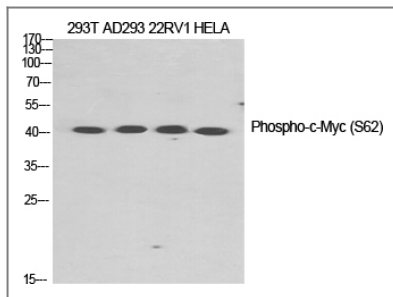
Tissue specificity Cervix, Epithelium, Leukemia, Placenta, Promyelocytic I

Function 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 recognize 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.,

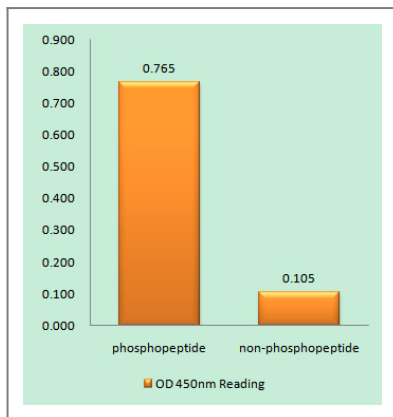
Validation Data



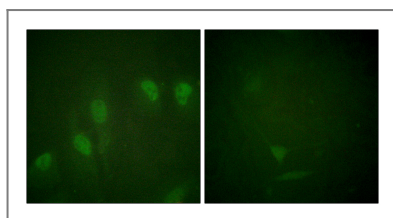
Liu, Qiang, et al. "Tumor suppressor DYRK1A effects on proliferation and chemoresistance of AML cells by downregulating c-Myc." PloS one 9.6 (2014): e98853.



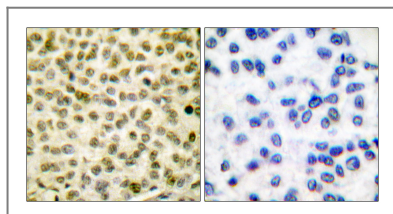
Western Blot analysis of various cells using Phospho-c-Myc (S62) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Myc (Phospho-Ser62) Antibody



Immunofluorescence analysis of HeLa cells treated with Forskolin 40nM 30', using Myc (Phospho-Ser62) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Myc (Phospho-Ser62) Antibody. The picture on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
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