

For Research Use Only

# L-Myc Polyclonal antibody

Catalog Number: 14584-1-AP

1 Publications



## Basic Information

Catalog Number:

14584-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6105

GenBank Accession Number:

BC011864

GeneID (NCBI):

4610

UNIPROT ID:

P12524

Full Name:

v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)

Calculated MW:

40 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : NCI-H1299 cells, U266 cells

## Background Information

The MYC gene family consists of 3 members, C-MYC, L-MYC, and N-MYC, all of which belong to the superfamily of basic helix-loop-helix leucine zipper (bHLHLZ) DNA binding proteins. L-MYC encodes a nuclear phosphoprotein with 364 amino acids, heterodimerizing with partner protein Max and acts as a transcription factor to control the expression of target genes. L-Myc is involved in many biological processes, including cell proliferation, differentiation, apoptosis and has been found to be amplified and over-expressed in some malignancies. L-Myc amplification has been reported in small-cell lung cancer (PMID: 25528583, 33524794). The observed molecular weight of L-Myc is 68 kDa, which is consistent with the description in the literature (PMID: 8657155).

## Notable Publications

| Author              | Pubmed ID | Journal       | Application |
|---------------------|-----------|---------------|-------------|
| Donglim Esther Park | 32284543  | Nat Cell Biol | WB          |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

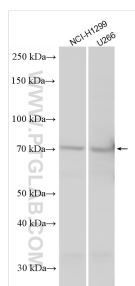
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14584-1-AP (L-Myc antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.