

For Research Use Only

Phospho-c-MYC (Ser62) Recombinant monoclonal antibody

Catalog Number: 80844-4-RR



Basic Information

Catalog Number:

80844-4-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC000141

GeneID (NCBI):

4609

UNIPROT ID:

P01106

Full Name:

v-myc myelocytomatosis viral oncogene homolog (avian)

Calculated MW:

49 kDa

Observed MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

250304G12

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MG132 treated HEK-293T cells, MG132 treated HeLa cells

Background Information

MYC is a transcription factor that globally enhances expression of transcribing genes, including those vital for cell cycle, growth, proliferation, and survival in normal and cancer cells. MYC has multiple isomers, and this antibody recognizes the phosphorylation of the 439 amino acid isomer (P01106-1, UniProt) at the 62 serine site. Posttranslational modifications that regulate MYC stability include phosphorylations at Ser62 and Thr58. Phosphorylation at Ser62, primarily by ERK, stabilizes MYC. While kinases other than ERK phosphorylate Ser62, GSK3β has been the only kinase known to phosphorylate MYC at Thr58.(PMID: 32482868)

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

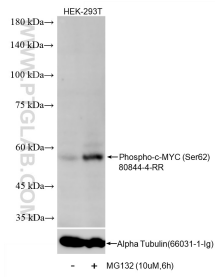
For technical support and original validation data for this product please contact:

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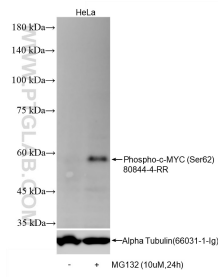
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Selected Validation Data



Non-treated HEK-293T cells and MG132 treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 80844-4-RR (Phospho-c-MYC (Ser62) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.



Non-treated HeLa cells and MG132 treated HeLa cells were subjected to SDS PAGE followed by western blot with 80844-4-RR (Phospho-c-MYC (Ser62) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.