For Research Use Only

Phospho-c-MYC (Thr58) Recombinant monoclonal antibody, PBS Only

Catalog Number:87268-1-PBS

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Basic Information

Catalog Number:
87268-1-PBS

Size:
100ug , Concentration: 1 mg/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:
55-60 kDa

Purification Method:
Protein A purification

CloneNo.:
252290C8

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

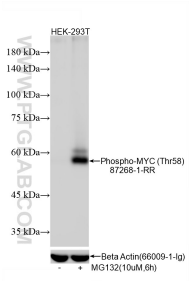
MYC is a transcription factor that globally enhances expression of transcribing genes, including those vital for cell cycle, growth, proliferation, and survival in normal and cancer cells. MYC has multiple isomers, and this antibody recognizes the phosphorylation of the 439 amino acid isomer (P01106-1, 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

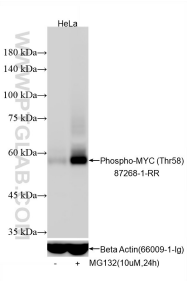
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Non-treated and MG132 treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 87268-1-RR (Phospho-c-MYC (Thr58) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody (66009-1-Ig) as loading control. This data was developed using the same antibody clone with 87268-1-PBS in a different storage buffer formulation.



Non-treated and MG132 treated HeLa cells were subjected to SDS PAGE followed by western blot with 87268-1-RR (Phospho-c-MYC (Thr58) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody (66009-1-Ig) as loading control. This data was developed using the same antibody clone with 87268-1-PBS in a different storage buffer formulation.