

For Research Use Only

c-MYC Recombinant antibody

Catalog Number: 80845-1-RR



Basic Information

Catalog Number:

80845-1-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1263

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:

50-65 kDa

Purification Method:

Protein A purification

CloneNo.:

2B17

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : HEK-293 cells, A549 cells, HeLa cells, K-562 cells, HL-60 cells

Background Information

MYC contains one basic helix-loop-helix (bHLH) domain. This protein 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. It seems to activate the transcription of growth-related genes. It binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma.

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

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

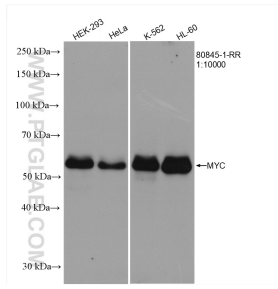
T: 4006900926

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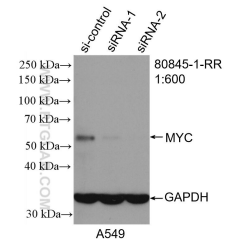
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80845-1-RR (MYC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MYC antibody (80845-1-RR, Clone: 2B17) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



WB result of MYC antibody (80845-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-MYC transfected A549 cells.