

For Research Use Only

# c-MYC Recombinant antibody, PBS Only



Catalog Number: 80845-1-PBS

## Basic Information

<b>Catalog Number:</b> 80845-1-PBS	<b>GenBank Accession Number:</b> BC000141	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4609	<b>CloneNo.:</b> 2B17
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01106	
<b>Isotype:</b> IgG	<b>Full Name:</b> v-myc myelocytomatosis viral oncogene homolog (avian)	
<b>Immunogen Catalog Number:</b> AG1263	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 50-65 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human

## 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 -80°C.

**Storage Buffer:**  
PBS Only

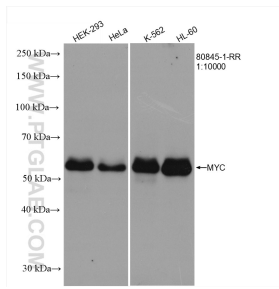
For technical support and original validation data for this product please contact:

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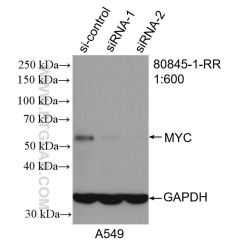
## Selected Validation Data



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. This data was developed using the same antibody clone with 80845-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 80845-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 80845-1-PBS in a different storage buffer formulation.