

For Research Use Only

c-MYC Recombinant antibody, PBS Only



Catalog Number: 80845-1-PBS

Basic Information

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

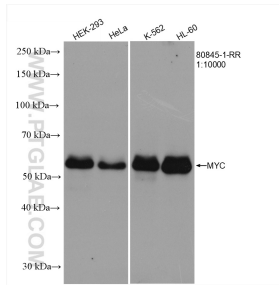
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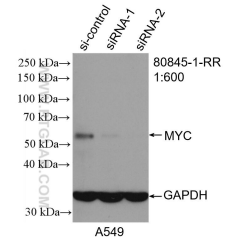
Selected Validation Data



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.