

For Research Use Only

CoraLite® Plus 488-conjugated c-MYC Polyclonal antibody

Catalog Number:CL488-10828

Featured Product



Basic Information

Catalog Number: CL488-10828	GenBank Accession Number: BC000141	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4609	Recommended Dilutions: IF/ICC 1:300-1:1200
Source: Rabbit	UNIPROT ID: P01106	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: v-myc myelocytomatosis viral oncogene homolog (avian)	
Immunogen Catalog Number: AG1263	Calculated MW: 49 kDa	
	Observed MW: 62-65 kDa, 50 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: human, mouse	

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. This antibody is a rabbit polyclonal antibody raised against recombinant protein of human MYC. The 50kDa band recognized by antibody is the native form of MYC, while the other bands, between 60-70kDa, are the phosphorylated form of MYC [PMID: 12189186]

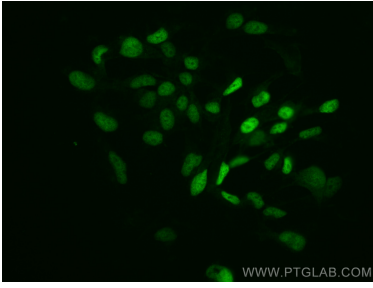
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

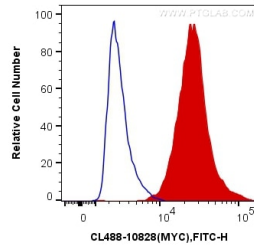
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 c-MYC antibody (CL488-10828) at dilution of 1:600.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human c-MYC (CL488-10828) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).