

For Research Use Only

# CoraLite® Plus 488-conjugated CDK3 Polyclonal antibody



Catalog Number: **CL488-55103**

## Basic Information

<b>Catalog Number:</b> CL488-55103	<b>GenBank Accession Number:</b> NM_001258	<b>Purification Method:</b> Antigen Affinity Purified
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1018	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> cyclin-dependent kinase 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 40-45 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse

## Background Information

CDK3 belongs to the protein kinase superfamily, CMGC Ser/Thr protein kinase family and CDC2/CDKX subfamily. It is probably involved in the control of the cell cycle. CDK3 interacts with a yet unknown type of cyclin. It can phosphorylate histone H1. Endogenous Cyclin C/Cdk3 complexes are critical to promote exit from quiescence in an Rb-dependent manner. Cyclin C/Cdk3 complexes is a key regulators of cell cycle reentry in human cells. (PMID: 15130482 )The antibody is specific to CDK3.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

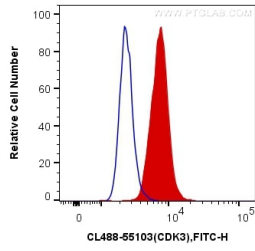
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

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](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human CDK3 (CL488-55103) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).