

For Research Use Only

# CoraLite® Plus 647-conjugated CDK4 Polyclonal antibody



Catalog Number: CL647-11026

Featured Product

## Basic Information

<b>Catalog Number:</b> CL647-11026	<b>GenBank Accession Number:</b> BC010153	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1019	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> cyclin-dependent kinase 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 34 kDa	
<b>Immunogen Catalog Number:</b> AG1505	<b>Observed MW:</b> 34 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. It is essential for the G1- to S-phase transition during the cell cycle and its expression is primarily controlled at the transcriptional level (PMID:17253961). CCND1-CDK4 axis is not only critical in glial tumor cells but also in stromal-derived cells in the surrounding tumor microenvironment that are vital to sustain tumor outgrowth (PMID:21844184).

## 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.

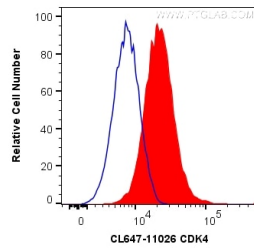
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 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)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human CDK4 (CL647-11026) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).