

CoraLite® Plus 647-conjugated CDK3 Polyclonal antibody

Catalog Number: **CL647-55103**

Basic Information

Catalog Number:

CL647-55103

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001258

GeneID (NCBI):

1018

UNIPROT ID:

Q00526

Full Name:

cyclin-dependent kinase 3

Calculated MW:

35 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen Affinity Purified

**Excitation/Emission maxima
wavelengths:**

654 nm / 674 nm

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:

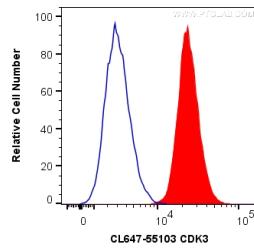
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Coralite® Plus 647 Anti-Human CDK3 (CL647-55103) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).