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BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-CDK1 Antibody Picoband® Fluoro594 Conjugated

**Catalog Number:** PB9533-Fluoro594

## About CDK1

CDC2, Cell Division Cycle 2, is also known as CDK1 (Cyclin-dependent Kinase 1). CDC2 is a catalytic subunit of a protein kinase complex, called the M-phase promoting factor that induces entry into mitosis and is universal among eukaryotes. In HeLa cells CDC2 is the most abundant phosphotyrosine-containing protein and its phosphotyrosine content is subject to cell cycle regulation. CDC2 gene is located on chromosome 10.

## Overview

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|---|---|
| Product Name | Anti-CDK1 Antibody Picoband® Fluoro594 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, IHC-F, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3. |
| Storage Instructions | At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P06493 |

## Technical Details

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|---|---|
| Immunogen | E.coli-derived human CDK1 recombinant protein (Position: L66-M297). Human CDK1 shares 97.8% and 98.3% amino acid (aa) sequence identity with mouse and rat CDK1, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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## 17 Publications Citing This Product

1. PubMed ID: 10.3892/or.2016.4742, A novel cell cycle blocker extracted from Stellera chamaejasme L. inhibits the proliferation of hepatocarcinoma cells

2. PubMed ID: 10.1080/13880209.2021.1931354, Extract of Ganoderma sinensis spores induces cell cycle arrest of hepatoma cell via endoplasmic reticulum stress

3. PubMed ID: 33779025, Blakemore D,Vilaplana-Lopera N,Almaghrabi R,Gonzalez E,Moya M,Ward C,Murphy G,Gambus A,Petermann E,Stewart GS,García P.MYBL2 and ATM suppress replication stress in pluripotent stem cells.EMBO Rep.2021 Mar 28:e51120.doi:10.15252/embr.202051120.Epub ahead of print.PMID:33779025.

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Anti-CDK1 Antibody - Fluoro594

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