# Anti-Phospho-CDK1/2/3(T14) Recombinant Rabbit Monoclonal Antibody

# Catalog #: 1641

## Aliases

CDK1; Cyclin Dependent Kinase 1; CDC28A; CDC2; Cell Division Cycle 2, G1 To S And G2 To M; Cell Division Control Protein 2 Homolog; Cell Division Protein Kinase 1; Cyclin-Dependent Kinase 1; P34 Protein Kinase; P34CDC2; Cell Cycle Controller CDC2; EC 2.7.11.22; EC 2.7.11.23; CDKN1; CDK2; Cyclin Dependent Kinase 2; Cell Division Protein Kinase; Cyclin-Dependent Kinase; P33 Protein Kinase; EC 2.7.11.22; CDKN2; Cdc2-Related Protein Kinase; P33(CDK2); EC 2.7.11; CDK3; Cyclin Dependent Kinase 3; Cell Division Protein Kinase 3; Cyclin-Dependent Kinase 3; EC 2.7.11.22; EC 2.7.11; CDKN3

## Background

Gene Name: CDK1/2/3
NCBI Gene Entry: 983/1017/1018
UniProt Entry: P06493/P24941/Q00526

## Application Information

Molecular Weight: Predicted, 34 kDa; observed, 34 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB1430
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Phospho-CDK1/2/3 (T14)

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000

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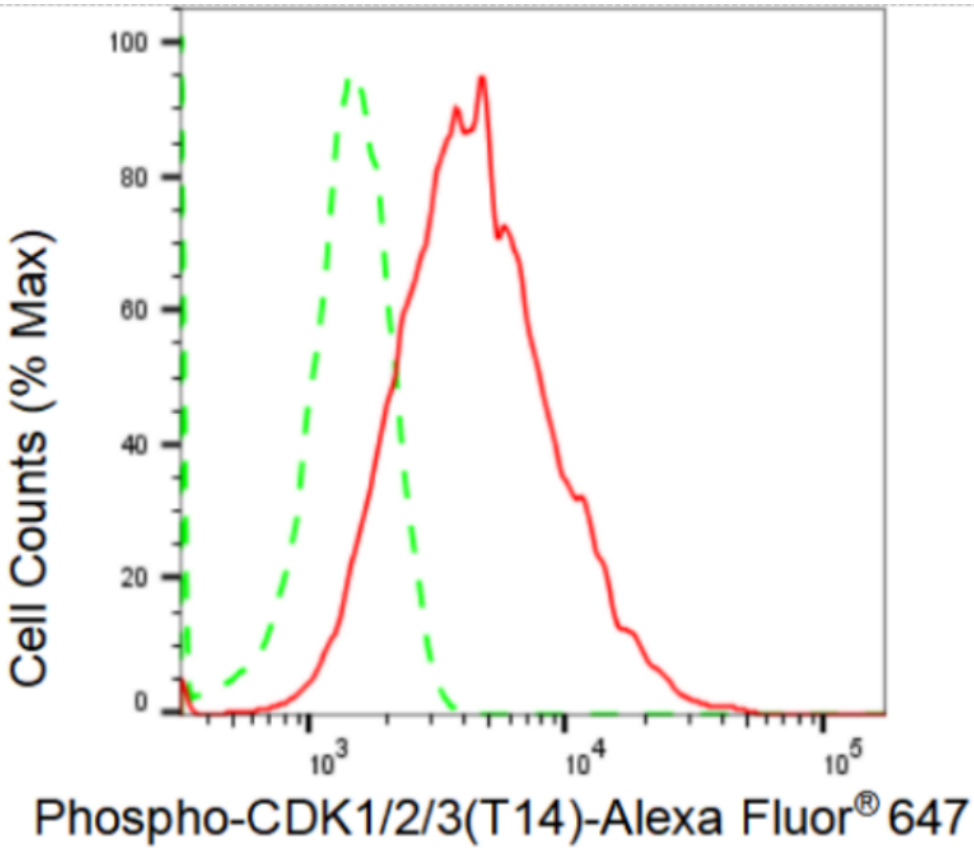
Immunocytochemistry (IC): 1:100-1:1,000

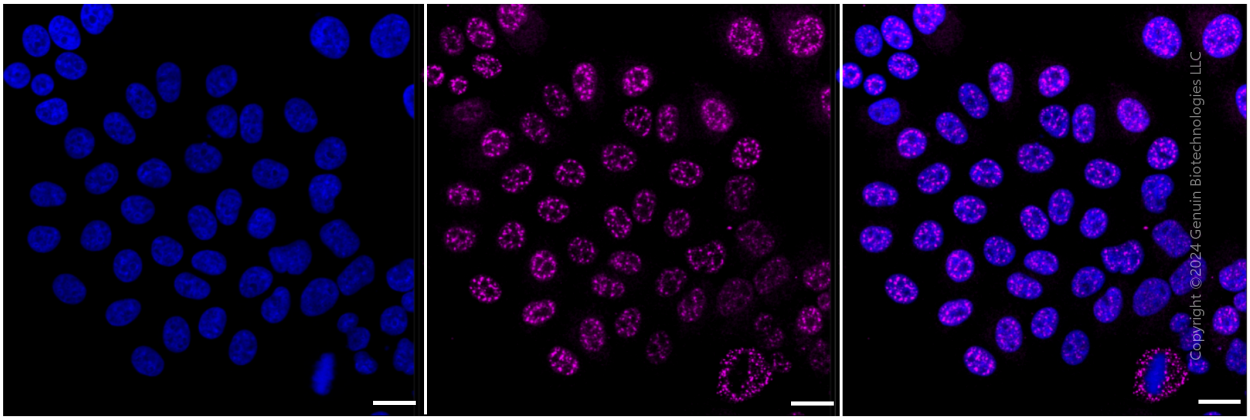
**Note:** This product is for research use only.

## Validation Data



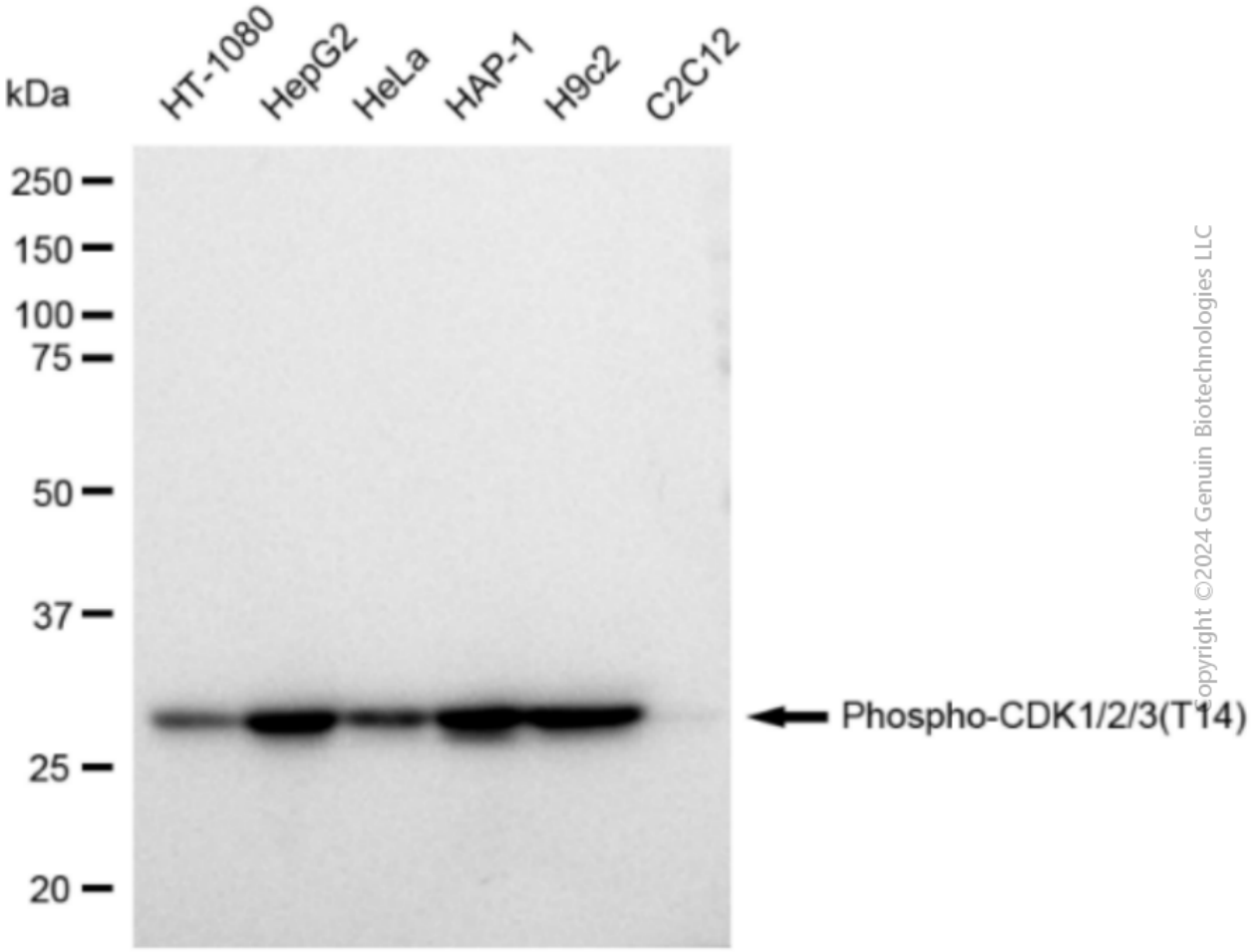



Flow cytometric analysis of Phospho-CDK1/2/3 (T14) expression in HepG2 cells using Phospho-CDK1/2/3 (T14) antibody (Cat#1641, 1:2,000). Green, isotype control; red, Phospho-CDK1/2/3 (T14).



# Anti-Phospho-CDK1/2/3(T14) Recombinant Rabbit Monoclonal Antibody

Immunocytochemical staining of HepG2 cells with Phospho-CDK1/2/3(T14) antibody (Cat#1641, 1:1,000). Nuclei were stained blue with DAPI; Phospho-CDK1/2/3(T14) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.






Western blotting analysis using anti-Phospho-CDK1/2/3 (T14) antibody (Cat#1641). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-CDK1/2/3 (T14) antibody (Cat#1641, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).