

Anti-Cyclin B1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 4145

Aliases

CCNB1; Cyclin B1; CCNB; G2/Mitotic-Specific Cyclin-B1; G2/Mitotic-Specific Cyclin B1

Background

Gene Name: CCNB1

NCBI Gene Entry: [891](#)

UniProt Entry: [P14635](#)

Application Information

Molecular Weight: Predicted, 48 kDa; observed, 55 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB9785

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Cyclin B1

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

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

Note: This product is for research use only.

Validation Data

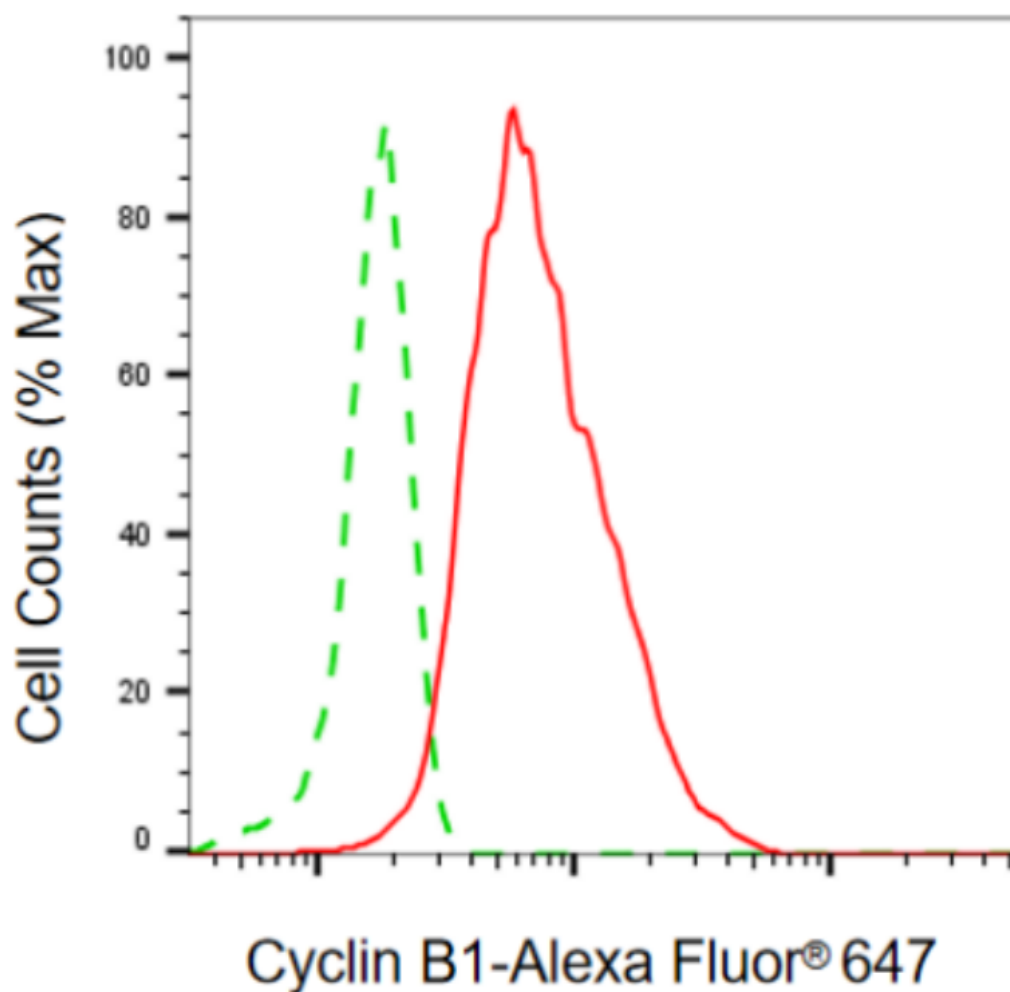
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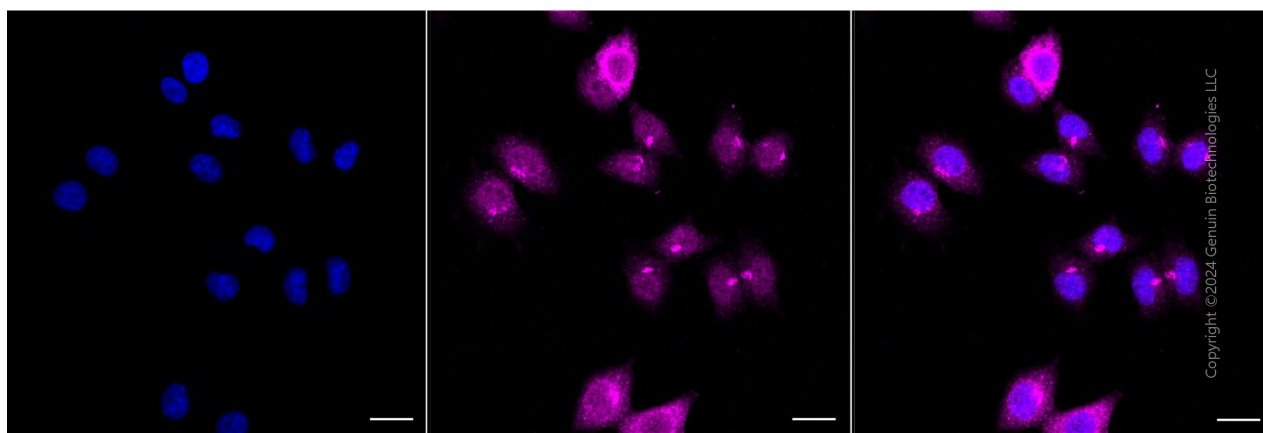
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Flow cytometric analysis of cyclin B1 expression in HepG2 cells using anti-cyclin B1 antibody (Cat#4145, 1:2,000). Green, isotype control; red, cyclin B1.



Immunocytochemical staining of HepG2 cells with anti-Cyclin B1 antibody (Cat#4145, 1:1,000). Nuclei were stained blue with DAPI; Cyclin B1 was stained magenta with Alexa Fluor® 647.

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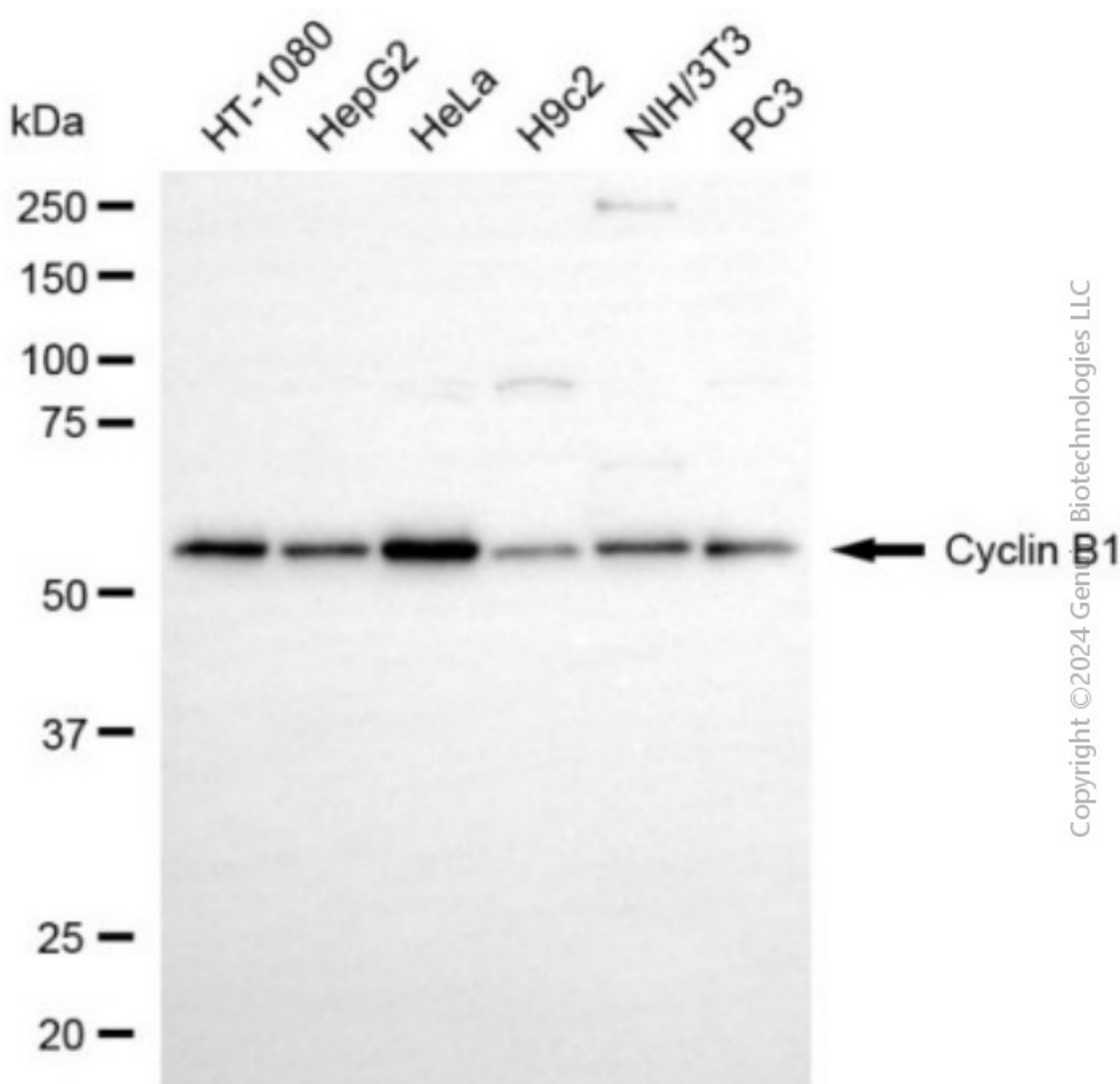
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Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 μ m.



Western blotting analysis using anti-cyclin B1 antibody (Cat#4145). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cyclin B1 antibody (Cat#4145, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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