9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG1804

## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | P14635 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human Cyclin B1 |
| **Species Reactivity** | Human |
| **Calculated MW** | Predicted, 48 kDa, observed, 55 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P14635)

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| **Gene Name** | CCNB1 |
| **About Gene Symbol** | CCNB1 (Cyclin B1) is a protein kinase and signaling regulator involved in cell cycle regulation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

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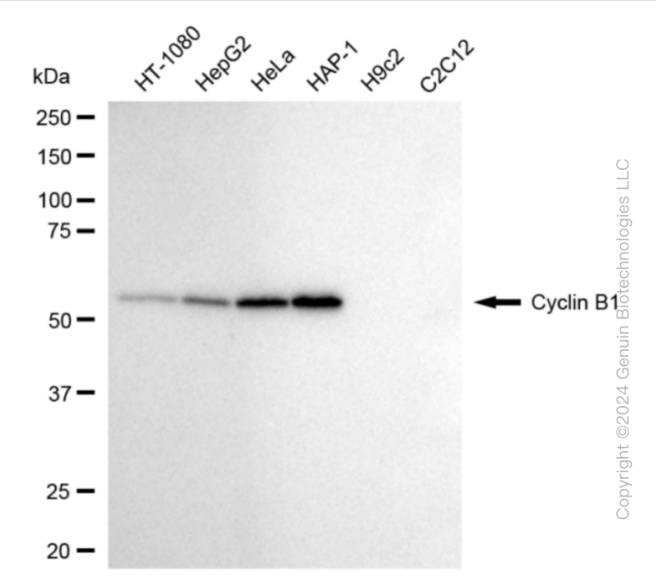
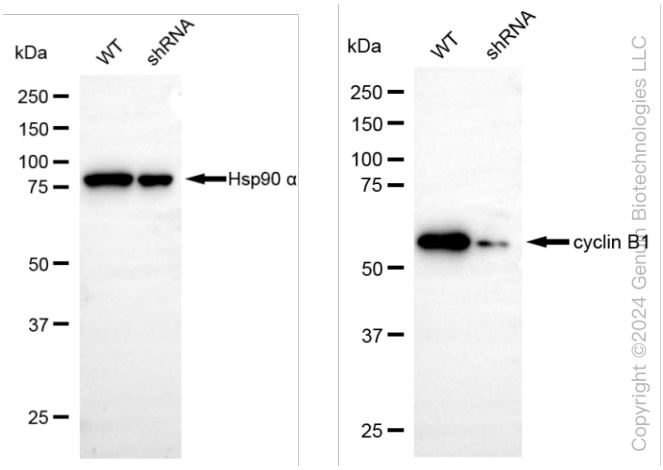
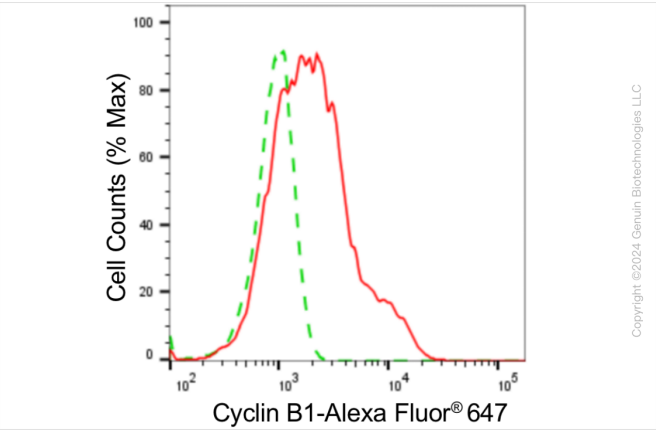



Western blotting analysis using anti-cyclin B1 antibody (Cat#ABG1804). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cyclin B1 antibody (Cat#ABG1804, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




Western blotting analysis using anti-cyclin B1 antibody (Cat#ABG1804). Cyclin B1 expression in wild-type (WT) and cyclin B1 (CCNB1) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-cyclin B1 antibody (Cat#ABG1804, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




Flow cytometric analysis of Cyclin B1 expression in HeLa cells using anti-Cyclin B1 antibody (Cat#ABG1804, 1:2,000). Green, isotype control; red, Cyclin B1.

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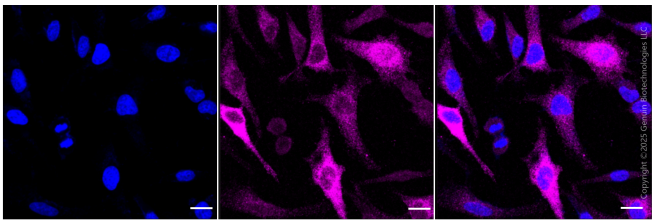

Immunocytochemical staining of Hela cells with Cyclin B1 antibody (Cat#ABG1804, 1:1,000). Nuclei were stained blue with DAPI;Cyclin B1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium.Scale bar: 20 µm.