9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1805

Product Overview

Name	KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody
Accession(Primary)	P14635
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	Recombinant protein of mouse Cyclin B1 (UniProt Entry: P24860)
Species Reactivity	Human, Mouse, Rat
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)

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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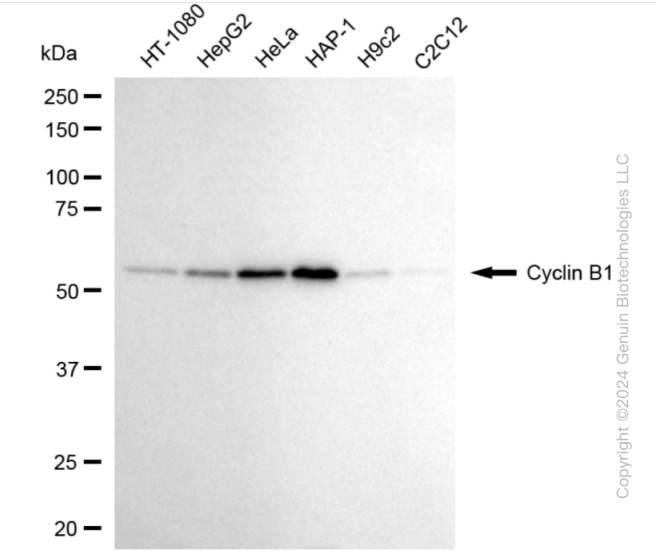
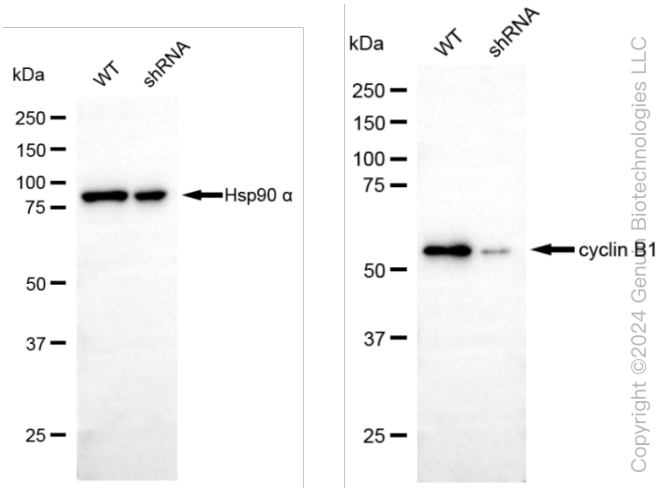
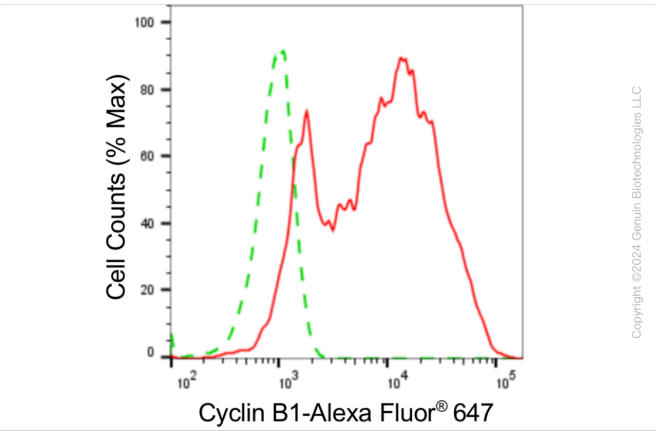


Western blotting analysis using anti-cyclin B1 antibody (Cat#ABG1805). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cyclin B1 antibody (Cat#ABG1805, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-cyclin B1 antibody (Cat#ABG1805). 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#ABG1805, 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#ABG1805, 1:2,000). Green, isotype control; red, Cyclin B1.

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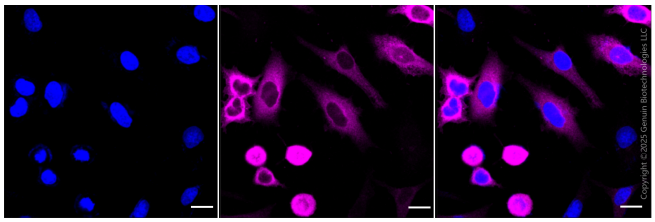

Immunocytochemical staining of Hela cells with cyclin B1 antibody (Cat#ABG1805, 1:1,000). Nuclei were stained blue with DAPI; Cyclin B1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.