10320 Camino Santa Fe, Suite G
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KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2345

Specification

KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P14635
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 48 kDa ; Observed, 55 kDa KDa**
Gene Name	**CCNB1**
Aliases	**CCNB1; Cyclin B1; CCNB; G2/Mitotic-Specific Cyclin-B1; G2/Mitotic-Specific Cyclin B1**
Immunogen	**A synthesized peptide derived from human Cyclin B1**

KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**891**

Other Names
G2/mitotic-specific cyclin-B1, CCNB1, CCNB

KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody - Protein Information

Name CCNB1

Synonyms CCNB

Function
Essential for the control of the cell cycle at the G2/M (mitosis) transition.

Cellular Location
Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

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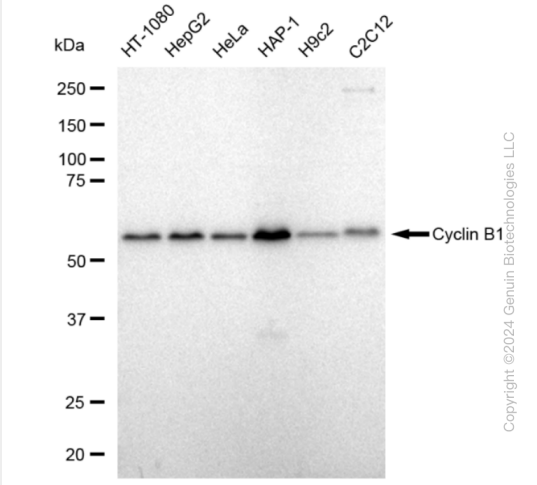
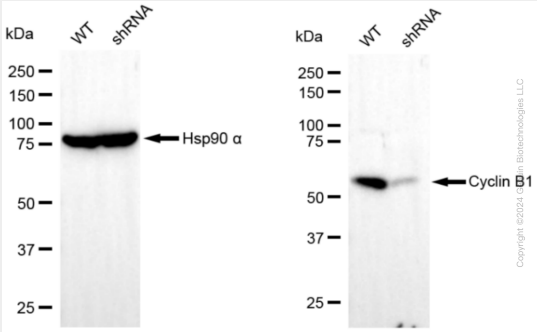
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

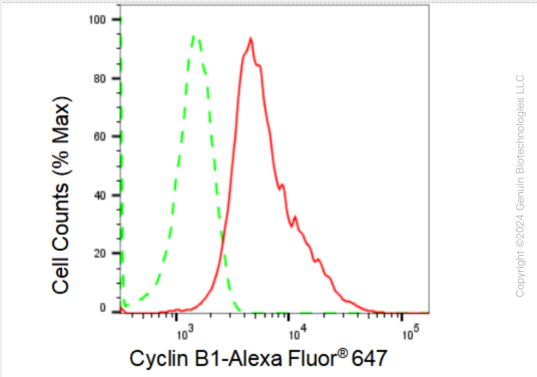
KD-Validated Anti-Cyclin B1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Cyclin B1 antibody (Cat#69151). 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#69151, 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).



Western blotting analysis using anti-Cyclin B1 antibody (Cat#69151). Cyclin B1 expression in wild type (WT) and cyclin B1 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Cyclin B1 antibody (Cat#69151, 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).



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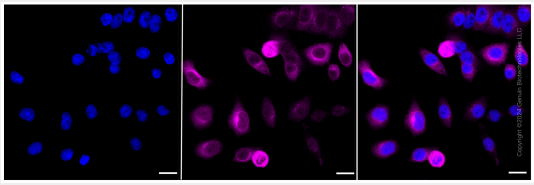
Flow cytometric analysis of Cyclin B1 expression in HepG2 cells using Cyclin B1 antibody (Cat#69151, 1:2,000). Green, isotype control; red, Cyclin B1.



Immunocytochemical staining of HepG2 cells with Cyclin B1 antibody (Cat#69151, 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.