

# KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

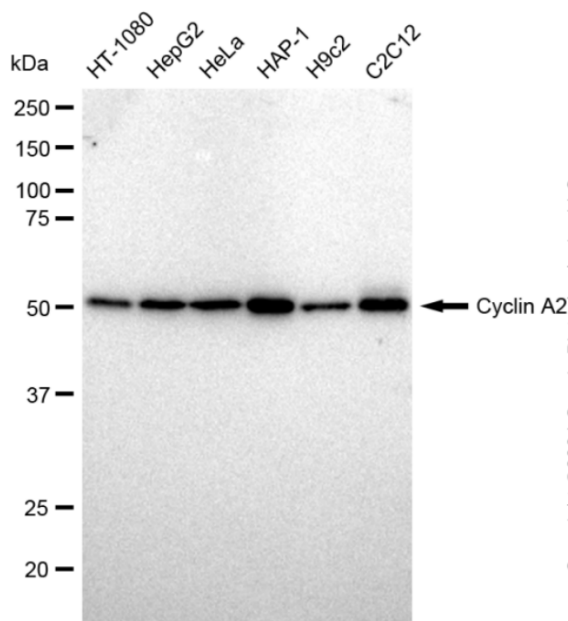
ABG2302

## Product Overview

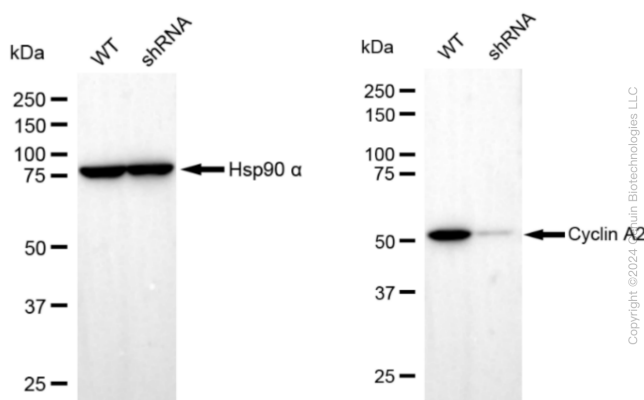
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|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody                                                       |
| <b>Accession(Primary)</b>   | P20248                                                                                                       |
| <b>Host Species</b>         | Rabbit                                                                                                       |
| <b>Clonality</b>            | Monoclonal                                                                                                   |
| <b>Isotype</b>              | Rabbit IgG                                                                                                   |
| <b>Immunogen</b>            | A synthesized peptide derived from human Cyclin A2                                                           |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                            |
| <b>Calculated MW</b>        | Predicted, 49 kDa , observed, 50 kDa                                                                         |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                    |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P20248)

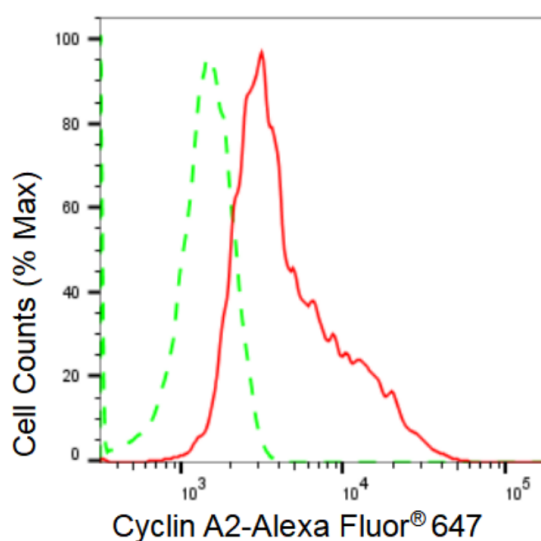
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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | CCNA2                                                                                                                                                                                                                                                                                   |
| <b>About Gene Symbol</b> | CCNA2 (Cyclin A2) 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. |



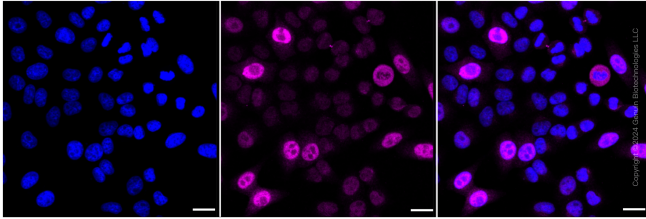
Western blotting analysis using anti-Cyclin A2 antibody (Cat#ABG2302). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Cyclin A2 antibody (Cat#ABG2302, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Cyclin A2 antibody (Cat#ABG2302). Cyclin A2 expression in wild type (WT) and Cyclin A2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Cyclin A2 antibody (Cat#ABG2302, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Cyclin A2 expression in HepG2 cells using Cyclin A2 antibody (Cat#ABG2302, 1:2,000). Green, isotype control; red, Cyclin A2.



Immunocytochemical staining of HepG2 cells with Cyclin A2 antibody (Cat#ABG2302, 1:1,000). Nuclei were stained blue with DAPI; Cyclin A2 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  $\mu$ m.