

KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2302**Specification**

KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P20248
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 49 kDa , observed, 50 kDa kDa
Gene Name	CCNA2
Aliases	CCNA2; Cyclin A2; CCN1; CCNA; Cyclin-A2; Cyclin-A; Cyclin A
Immunogen	A synthesized peptide derived from human Cyclin A2

KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	890
Other Names	
Cyclin-A2 {ECO:0000312 HGNC:HGNC:1578}, Cyclin-A, Cyclin A, CCNA2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=1578)	

KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody - Protein Information**Name** CCNA2 ([HGNC:1578](#))**Function**

Cyclin which controls both the G1/S and the G2/M transition phases of the cell cycle. Functions through the formation of specific serine/threonine protein kinase holoenzyme complexes with the cyclin- dependent protein kinases CDK1 or CDK2. The cyclin subunit confers the substrate specificity of these complexes and differentially interacts with and activates CDK1 and CDK2 throughout the cell cycle.

Cellular Location

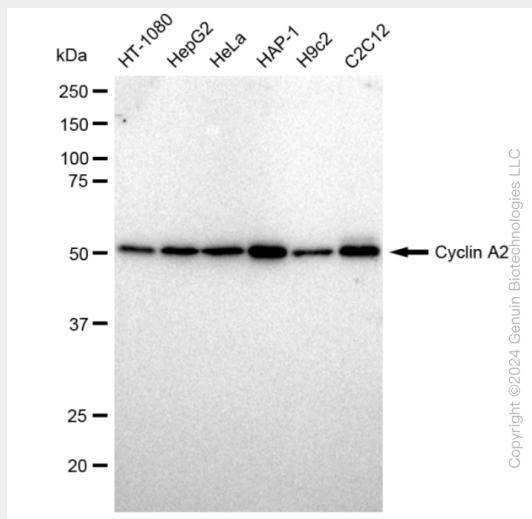
Nucleus. Cytoplasm. Note=Exclusively nuclear during interphase (PubMed:1312467). Detected in the nucleus and the cytoplasm at prophase (PubMed:1312467). Cytoplasmic when associated with SCAPER (PubMed:17698606).

KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody - Protocols

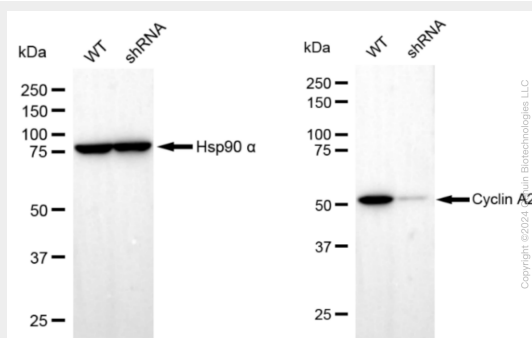
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

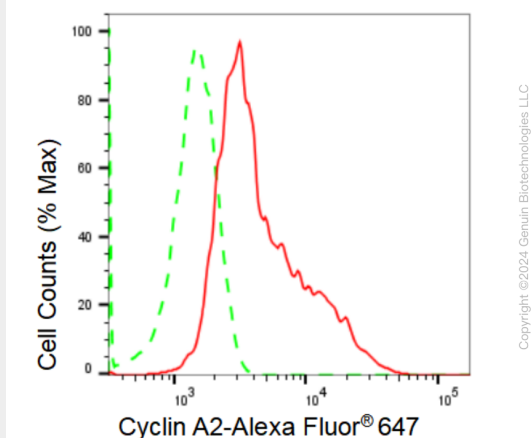
KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody - Images



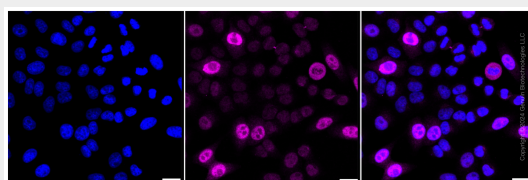
Western blotting analysis using anti-Cyclin A2 antibody (Cat#AGI2302). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Cyclin A2 antibody (Cat#AGI2302, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Cyclin A2 antibody (Cat#AGI2302). 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#AGI2302, 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#AGI2302, 1:2,000). Green, isotype control; red, Cyclin A2.



Immunocytochemical staining of HepG2 cells with Cyclin A2 antibody (Cat#AGI2302, 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 μ m.