

**Cyclin A2 Antibody**  
Rabbit mAb  
Catalog # AP90837

## Specification

---

### Cyclin A2 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">P20248</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CCN1; CCNA; Ccna2; Cyclin A2; Cyclin-A;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48551 Da

### Cyclin A2 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Cyclin A2</b>
Description	<b>Cyclin A seems to be required for both S-phase and M-phase. A number of studies have described the ability of over-expressed cyclin A to accelerate the G1 to S transition causing DNA replication, and cyclin A antisense DNA can prevent DNA replication. Cyclin A availability is apparently the rate-limiting step for entry into mitosis, and cyclin A is required for completion of prophase.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### Cyclin A2 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

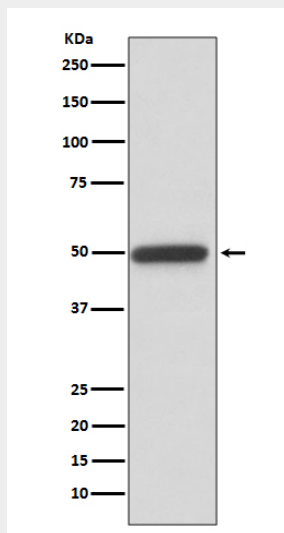
Nucleus. Cytoplasm. Note=Exclusively nuclear during interphase (PubMed:1312467). Detected in the nucleus and the cytoplasm at prophase (PubMed:1312467). Cytoplasmic when associated with SCAPER (PubMed:17698606).

### Cyclin A2 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](#)

### Cyclin A2 Antibody - Images



Western blot analysis of Cyclin A2 expression in Jurkat cell lysate.