

## Mouse anti-Human Cyclin A2 Monoclonal Antibody | anti-CCNA2 antibody

Anti-Cyclin A2 Mouse mAb

|                              |                      |                            |                                     |
|------------------------------|----------------------|----------------------------|-------------------------------------|
| CATALOG #<br><b>AAA14164</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|----------------------|----------------------------|-------------------------------------|

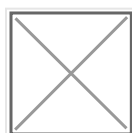
### PRODUCT SYNONYMS

Cyclin A2; Monoclonal Antibody; Anti-Cyclin A2 Mouse mAb; CCN1; CCNA; Ccna2; CCNA2\_HUMAN; Cyclin-A; Cyclin-A2; anti-CCNA2 antibody

### PRODUCT SPECIFICATIONS

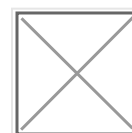
|                                                 |                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                              |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                         |
| Clone Number                                    | 1G1-C7-F9                                                                                                                                                                                                                                                                                                          |
| Form/Format                                     | Purified antibody in PBS with 0.05% sodium azide.                                                                                                                                                                                                                                                                  |
| Sequence Length                                 | 432                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-CCNA2 antibody | WB (Western Blot)                                                                                                                                                                                                                                                                                                  |
| Immunogen                                       | Purified recombinant fragment of human CCNA2 (AA: 105-233) expressed in E Coli.                                                                                                                                                                                                                                    |
| Sequence Similarities                           | Belongs to the cyclin family. Cyclin AB subfamily.                                                                                                                                                                                                                                                                 |
| Subunit Structure                               | Interacts with the CDK1 and CDK2 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. When associated with CDK2 (but not with CDK1), interacts with SCAPER. Interacts with human cytomegalovirus protein UL32 (PubMed:24101496). |
| Subcellular Location                            | Cytoplasm                                                                                                                                                                                                                                                                                                          |

### IMAGES



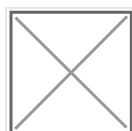
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CCNA2 mouse mAb with DAB staining.



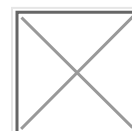
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CCNA2 mouse mAb with DAB staining.



#### FCM (Flow Cytometry)

Flow cytometric analysis of A431 cells using CCNA2 mouse mAb (green) and negative control (red).



#### WB (Western Blot)

Western blot analysis using CCNA2 mouse mAb against Hela (1), HEK293 (2), Jurkat (3), K562 (4), SK-Br-3 (5), NIH/3T3 (6) cell lysate.

**WB (Western Blot)**

Western blot analysis using CCNA2 mAb against HEK293 (1) and CCNA2 (AA

**WB (Western Blot)**

Western blot detection of Cyclin A2 in Jurkat cell lysates using Cyclin A2 mouse mAb (1:1000 diluted). Predicted band size: 50KDa. Observed band size: 50KDa.

## ADDITIONAL INFORMATION

**Related Product Information for anti-CCNA2 antibody**

Entrez Summary: The protein encoded by this gene belongs to the highly conserved cyclin family, whose members function as regulators of the cell cycle. This protein binds and activates cyclin-dependent kinase 2 and thus promotes transition through G1/S and G2/M. [provided by RefSeq, Aug 2016]  
UniPort Summary Function: Essential for the control of the cell cycle at the G1/S (start) and the G2/M (mitosis) transitions.

## NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4502613                                |
| NCBI GeneID                      | 890                                    |
| NCBI Accession #                 | NP_001228.1                            |
| NCBI GenBank Nucleotide #        | NM_001237.4                            |
| UniProt Accession #              | P20248; Q2M3U6; Q4W5P4; Q6LER8; A8K7B6 |
| Molecular Weight                 | 50kDa                                  |
| NCBI Official Full Name          | cyclin-A2                              |
| NCBI Official Synonym Full Names | cyclin A2                              |
| NCBI Official Symbol             | CCNA2                                  |
| NCBI Official Synonym Symbols    | CCN1; CCNA                             |
| NCBI Protein Information         | cyclin-A2                              |
| UniProt Protein Name             | Cyclin-A2                              |
| UniProt Gene Name                | <b>CCNA2</b>                           |
| UniProt Synonym Gene Names       | Cyclin-A                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cyclin-a2-antibody-clone-1g1-c7-f9-western-blot-elisa/14164>