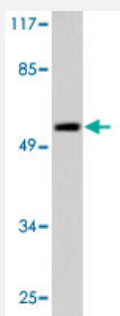


# CCNA1 polyclonal antibody

Catalog # PAB27047

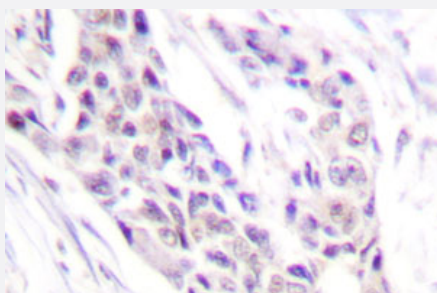
Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of CCNA1 polyclonal antibody (Cat # PAB27047) in extracts from SK-OV-3 cells treated with Heat shock.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of CCNA1 polyclonal antibody (Cat # PAB27047) in paraffin-embedded human breast carcinoma tissue.

## Specification

|                             |   |
|-----------------------------|---|
| <b>Product Description</b>  | Rabbit polyclonal antibody raised against synthetic peptide of CCNA1. |
| <b>Immunogen</b>            | A synthetic peptide corresponding to human CCNA1.                     |
| <b>Host</b>                 | Rabbit  |
| <b>Theoretical MW (kDa)</b> | 52  |
| <b>Reactivity</b>           | Human, Mouse, Rat   |
| <b>Specificity</b>          | CCNA1 polyclonal antibody detects endogenous levels of CCNA1 protein. |
| <b>Form</b>                 | Liquid  |

|                     |  |
|---------------------|--|
| Purification        | Antigen affinity purification  |
| Concentration       | 1 mg/mL  |
| Recommend Usage     | Western Blot (1:500-1:1000)<br>Immunohistochemistry (1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (0.05% sodium azide)  |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                 |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                 |

## Applications

- Western Blot (Cell lysate)

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Immunohistochemical analysis of CCNA1 polyclonal antibody (Cat # PAB27047) in paraffin-embedded human breast carcinoma tissue.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CCNA1

|                    |                           |
|--------------------|---------------------------|
| Entrez GeneID      | <a href="#">8900</a>      |
| Protein Accession# | <a href="#">P78396</a>    |
| Gene Name          | CCNA1                     |
| Gene Alias         | -                         |
| Gene Description   | cyclin A1                 |
| Omim ID            | <a href="#">604036</a>    |
| Gene Ontology      | <a href="#">Hyperlink</a> |

**Gene Summary**

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. The cyclin encoded by this gene was shown to be expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

-

**Pathway**

- [Acute myeloid leukemia](#)
- [Cell cycle](#)
- [Pathways in cancer](#)

**Disease**

- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Ovarian Neoplasms](#)