

RecomAb™

# CCNA2/CCNA1 recombinant monoclonal antibody, clone R07-3D4

Catalog # RAB01320      Size 100 uL

## Applications

### Western Blot

Western blot analysis of Acetyl-p53 (Lys370) in rat Brain lysates using Acetyl-p53 (Lys370) antibody.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CCNA2/CCNA1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human CCNA2/CCNA1.
<b>Theoretical MW (kDa)</b>	Calculated MW: 52,49
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at 4°C. For longer storage, aliquot and store at -20°C.  
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

Western blot analysis of Acetyl-p53 (Lys370) in rat Brain lysates using Acetyl-p53 (Lys370) antibody.

- Western Blot

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Immunoprecipitation

## Gene Info — CCNA2

**Entrez GeneID**[890](#)**Protein Accession#**[P20248|P78396](#)**Gene Name**

CCNA2

**Gene Alias**

CCN1, CCNA

**Gene Description**

cyclin A2

**Omim ID**[123835](#)**Gene Ontology**[Hyperlink](#)

## 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. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. This cyclin binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions. [provided by RefSeq]

## Other Designations

cyclin A

## Gene Info — CCNA1

### Entrez GeneID

[8900](#)

### Protein Accession#

[P20248](#)[P78396](#)

### Gene Name

CCNA1

### Gene Alias

-

### Gene Description

cyclin A1

### Omim ID

[604036](#)

### Gene Ontology

[Hyperlink](#)

## 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](#)
- [Cell cycle](#)

- [Pathways in cancer](#)

## Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)