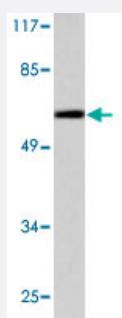


CCNA1/CCNA2 polyclonal antibody

Catalog # PAB27046

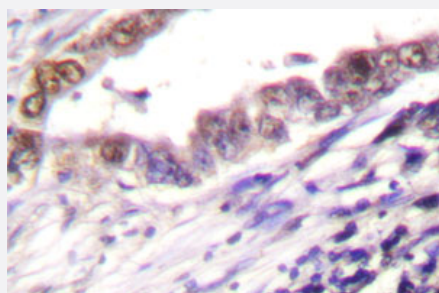
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CCNA1/CCNA2 polyclonal antibody (Cat # PAB27046) in extracts from COS-7 cells.



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

Immunohistochemical analysis of CCNA1/CCNA2 polyclonal antibody (Cat # PAB27046) in paraffin-embedded human lung carcinoma tissue.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CCNA1/CCNA2.
Immunogen	A synthetic peptide corresponding to human CCNA1/CCNA2.
Host	Rabbit
Theoretical MW (kDa)	53
Reactivity	Human, Mouse, Rat
Specificity	CCNA1/CCNA2 polyclonal antibody detects endogenous levels of CCNA1/CCNA2 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) 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. 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)

Western blot analysis of CCNA1/CCNA2 polyclonal antibody (Cat # PAB27046) in extracts from COS-7 cells.

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

Immunohistochemical analysis of CCNA1/CCNA2 polyclonal antibody (Cat # PAB27046) in paraffin-embedded human lung carcinoma tissue.

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CCNA2

Entrez GeneID	890
Protein Accession#	P78396 (Gene ID : 8900);P20248 (Gene ID : 890)
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#

[P78396 \(Gene ID : 8900\);P20248 \(Gene ID : 890\)](#)

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](#)