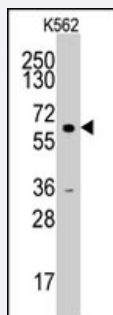


CCNA2 polyclonal antibody

Catalog # PAB2867

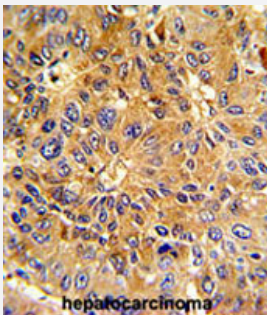
Size 400 uL

Applications



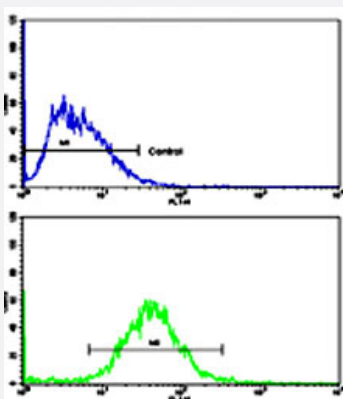
Western Blot (Cell lysate)

Western blot analysis of CCNA2 polyclonal antibody (Cat # PAB2867) in HL-60 cell line lysates (35 ug/lane). CCNA2 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CCNA2 polyclonal antibody (Cat # PAB2867), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry

Flow cytometric analysis of HepG2 cells using CCNA2 polyclonal antibody (Cat # PAB2867) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CCNA2.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CCNA2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 CCNA2 polyclonal antibody (Cat # PAB2867) in HL-60 cell line lysates (35 ug/lane). CCNA2 (arrow) was detected using the purified polyclonal antibody.

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- Flow Cytometry

Flow cytometric analysis of HepG2 cells using CCNA2 polyclonal antibody (Cat # PAB2867)(bottom histogram) compared to a negative control cell (top histogram).
FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Gene Info — CCNA2

Entrez GeneID

[890](#)

Protein Accession#

[NP_001228;P20248](#)

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 A 1, 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

Publication Reference

- [Neuronal pentraxin 1: a novel mediator of hypoxic-ischemic injury in neonatal brain.](#)

Hossain MA, Russell JC, O'Brien R, Laterra J.
Journal of Neuroscience 2004 Apr; 24(17):4187.

- [Neuronal pentraxin, a secreted protein with homology to acute phase proteins of the immune system.](#)

Schlimgen AK, Helms JA, Vogel H, Perin MS.
Neuron 1995 Mar; 14(3):519.

Pathway

- [Cell cycle](#)

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)