

**CCNB1 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1476a****Specification**

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**CCNB1 Antibody - Product Information**

Application	<b>WB, IF, FC</b>
Primary Accession	<a href="#">P14635</a>
Reactivity	<b>Human, Rat</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>60kDa KDa</b>

**Description**

The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. (provided by RefSeq) It has higher expression in tumor tissues .

**Immunogen**

Purified recombinant fragment of human CCNB1 expressed in E. Coli.

**Formulation**

Ascitic fluid containing 0.03% sodium azide.

**CCNB1 Antibody - Additional Information**

**Gene ID** 891

**Other Names**

G2/mitotic-specific cyclin-B1, CCNB1, CCNB

**Dilution**

WB~~1/500 - 1/2000

IF~~1/200 - 1/1000

FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CCNB1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CCNB1 Antibody - Protein Information**

**Name** CCNB1

**Synonyms** CCNB

**Function**

Essential for the control of the cell cycle at the G2/M (mitosis) transition.

**Cellular Location**

Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

**CCNB1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CCNB1 Antibody - Images**

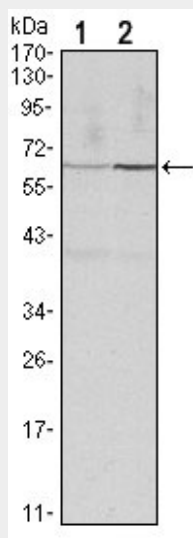


Figure 1: Western blot analysis using CCNB1 mouse mAb against HeLa (1) and PC-12 (2) cell lysate.

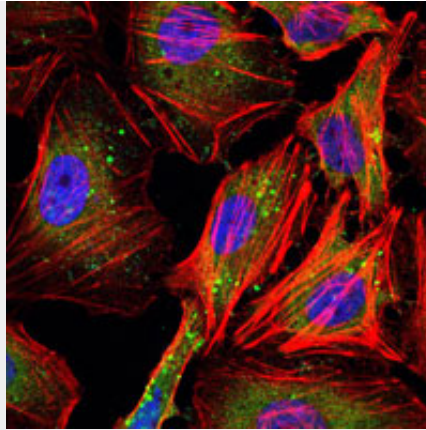


Figure 2: Immunofluorescence analysis of HeLa cells using CCNB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

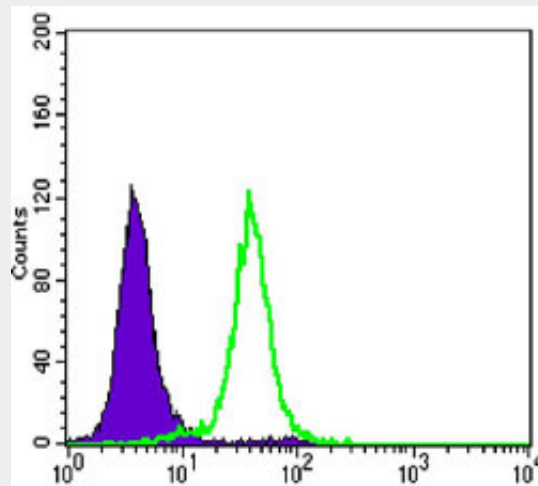


Figure 3: Flow cytometric analysis of HeLa cells using CCNB1 mouse mAb (green) and negative control (purple).

#### CCNB1 Antibody - References

1. Br J Cancer. 2009 Oct 20;101(8):1461-8.
2. Cancer Res. 2010 Feb 1;70(3):1265-74.
3. J Biol Chem. 2010 Jun 4;285(23):17833-45.