

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

CCNB1 Antibody - Product Information

Application	WB, IF, FC
Primary Accession	P14635
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	60kDa KDa

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

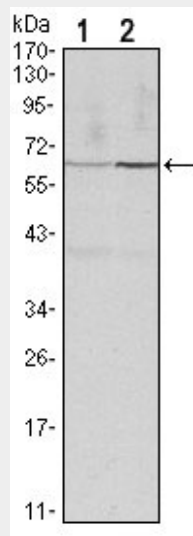


Figure 1: Western blot analysis using CCNB1 mouse mAb against HeLa (1) and PC-12 (2) cell lysate.

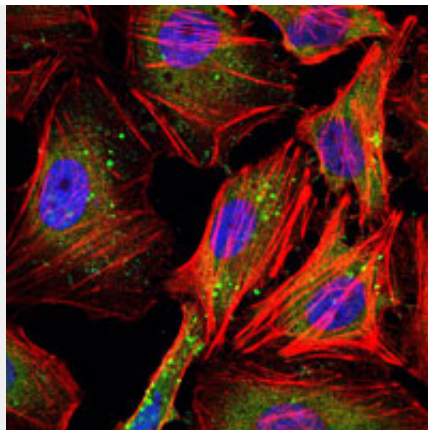


Figure 2: Immunofluorescence analysis of HeLa cells using CCNB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

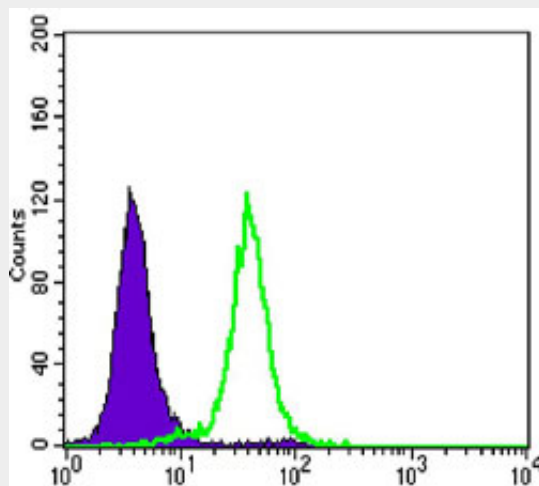


Figure 3: Flow cytometric analysis of HeLa cells using CCNB1 mouse mAb (green) and negative control (purple).

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.