

# [KO Validated] Cyclin B1 Rabbit pAb

Catalog No.: A16800 **KO Validated** **2 Publications**

## Basic Information

### Observed MW

55kDa

### Calculated MW

48kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

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). The encoded protein is necessary for proper control of the G2/M transition phase of the cell cycle.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

891

### Swiss Prot

P14635

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 350-433 of human CCNB1 (NP\_114172.1).

### Synonyms

CCNB; B1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

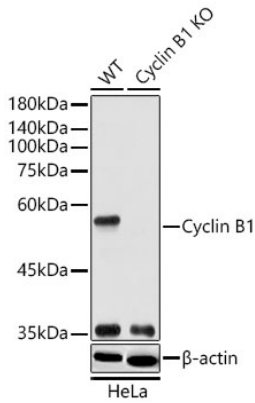
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and Cyclin B1 knockout (KO) HeLa cells using [KO Validated] Cyclin B1 Rabbit pAb (A16800) at 1:1000 dilution.

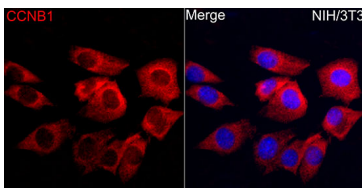
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

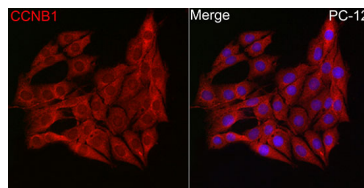
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

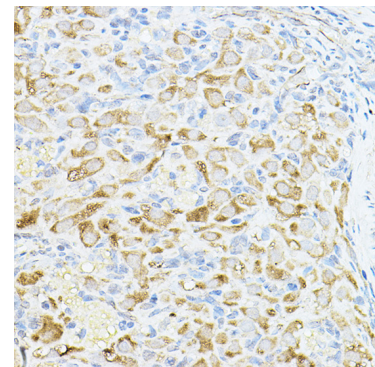
Exposure time: 60s.



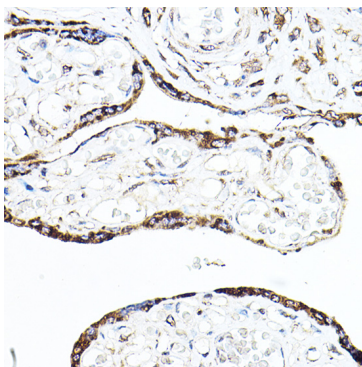
Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] Cyclin B1 Rabbit pAb (A16800) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using [KO Validated] Cyclin B1 Rabbit pAb (A16800) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat ovary tissue using [KO Validated] Cyclin B1 Rabbit pAb (A16800) at a dilution of 1:150 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using [KO Validated] Cyclin B1 Rabbit pAb (A16800) at a dilution of 1:150 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.