

Product Name: Cyclin B1 Rabbit Polyclonal Antibody**Catalog #: APRab09584**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:50-1:200
Molecular Weight	65kDa

Antigen Information

Gene Name	CCNB1
Alternative Names	CCNB1; CCNB; G2/mitotic-specific cyclin-B1
Gene ID	891.0
SwissProt ID	P14635
Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin B1. AA range:121-170

Background

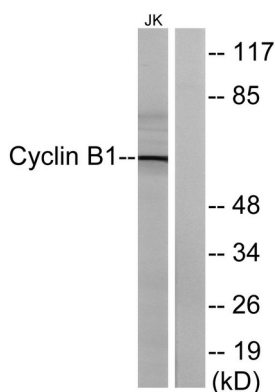
The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to

form the maturation-promoting factor (MPF). 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, Jul 2008],developmental stage:Accumulates steadily during G2 and is abruptly destroyed at mitosis.,function:Essential for the control of the cell cycle at the G2/M (mitosis) transition.,PTM:Ubiquitinated by the SCF(NIPA) complex during interphase, leading to its destruction. Not ubiquitinated during G2/M phases.,similarity:Belongs to the cyclin family.,similarity:Belongs to the cyclin family. Cyclin AB subfamily.,subunit:Interacts with the CDC2 protein kinase to form a serine/threonine kinase holoenzyme complex also known as maturation promoting factor (MPF). The cyclin subunit imparts substrate specificity to the complex. Binds HEI10. Interacts with catalytically active RALBP1 and CDC2 during mitosis to form an endocytotic complex during interphase.,

Research Area

AMPK

Image Data



Western blot analysis of lysates from Jurkat cells, treated with UV 15', using Cyclin B1 Antibody. The lane on the right is blocked with the synthesized peptide.