

## Cyclin B1 protein

<b>Catalog No :</b>	YD0120
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;SDS-PAGE
<b>Gene Name :</b>	CCNB1
<b>Protein Name :</b>	Cyclin B1 protein
<b>Sequence :</b>	Amino acid: 5-142, with his-MBP tag.
<b>Human Gene Id :</b>	891
<b>Human Swiss Prot No :</b>	P14635
<b>Mouse Swiss Prot No :</b>	P24860
<b>Formulation :</b>	Liquid in PBS
<b>Source :</b>	E.coli
<b>Dilution :</b>	WB 1:500-2000
<b>Concentration :</b>	SDS-PAGE >90%
<b>Storage Stability :</b>	-20 °C/6 month,-80 °C for long storage
<b>Background :</b>	<p>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.,</p>

**Function :**

G2/M transition of mitotic cell cycle, M phase of mitotic cell cycle, mitotic cell cycle, M phase, nuclear division, oocyte maturation, reproductive developmental process, proteolysis, ubiquitin-dependent protein catabolic process, cell cycle, mitosis, gamete generation, germ cell development, female gamete generation, macromolecule catabolic process, response to wounding, oocyte differentiation, proteasomal protein catabolic process, positive regulation of macromolecule metabolic process, modification-dependent protein catabolic process, sexual reproduction, developmental maturation, cell cycle process, cell cycle phase, protein catabolic process, regeneration, anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process, regulation of protein ubiquitination, positive regulation of protein ubiquitination, regulation of protein modification process, positiv

**Subcellular Location :**

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

## Products Images

