

Cyclin B1 (Phospho Ser116) rabbit pAb

Catalog No :	YP1305
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	Cyclin B1
Fields :	>>FoxO signaling pathway;>>Cell cycle;>>Oocyte meiosis;>>p53 signaling pathway;>>Cellular senescence;>>Progesterone-mediated oocyte maturation;>>Human immunodeficiency virus 1 infection
Gene Name :	CCNB1 CCNB
Protein Name :	Cyclin B1 (Ser116)
Human Gene Id :	891
Human Swiss Prot No :	P14635
Mouse Gene Id :	268697
Mouse Swiss Prot No :	P24860
Rat Gene Id :	25203
Rat Swiss Prot No :	P30277
Immunogen :	Synthesized phospho peptide around human Cyclin B1 (Ser116)
Specificity :	This antibody detects endogenous levels of Human Cyclin B1 (phospho-Ser116)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	60kD
Cell Pathway :	AMPK
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],
Function :	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.,
Subcellular Location :	Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.
Expression :	Breast adenocarcinoma,Lung,Placenta,

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