

Cyclin B1 Polyclonal Antibody

Catalog No: YT1170

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF

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

Protein Name: G2/mitotic-specific cyclin-B1

P24860

Human Gene Id: 891

Human Swiss Prot P14635

No:

Mouse Gene ld: 268697

Mouse Swiss Prot

No:

Rat Gene ld: 25203

Rat Swiss Prot No: P30277

Immunogen : The antiserum was produced against synthesized peptide derived from human

Cyclin B1. AA range:121-170

Specificity: Cyclin B1 Polyclonal Antibody detects endogenous levels of Cyclin B1 protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500-1:2000 IHC 1:50-1:200. IF 1:50-200

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Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 65kD

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

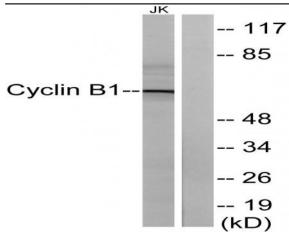
during mitosis to form an endocytotic complex during interphase.,

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

Location: centrosome.

Expression : Breast adenocarcinoma, Lung, Placenta,

Products Images



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.