

Datasheet

CCNB1 (phospho S126) polyclonal antibody

Catalog Number: PAB10042

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic phosphopeptide of CCNB1.

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding S126 of human CCNB1.

Host: Rabbit

Reactivity: Chimpanzee, Dog, Human, Rat

Applications: ELISA, IP, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody is specific to phosphorylated human Cyclin B1 protein at the pS126 residue. Minimal reactivity is expected with the non-phosphorylated form of the protein.

Form: Liquid

Recommend Usage: ELISA (1:50000)
Western Blot (1:100-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 891

Gene Symbol: CCNB1

Gene Alias: CCNB

Gene Summary: 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]

References:

1. Human papillomavirus type 16 E1 E4-induced G2 arrest is associated with cytoplasmic retention of active Cdk1/cyclin B1 complexes. Davy CE, Jackson DJ, Raj K, Peh WL, Southern SA, Das P, Sorathia R, Laskey P, Middleton K, Nakahara T, Wang Q, Masterson PJ, Lambert PF, Cuthill S, Millar JB, Doorbar J. J Virol. 2005 Apr;79(7):3998-4011.
2. p53 is a NF-Y- and p21-independent, Sp1-dependent repressor of cyclin B1 transcription. Innocente SA, Lee JM. FEBS Lett. 2005 Feb 14;579(5):1001-7. Epub 2005 Jan 13.
3. Regulation of activation-induced Fas (CD95/Apo-1) ligand expression in T cells by the cyclin B1/Cdk1 complex. Torgler R, Jakob S, Ontsouka E, Nachbur U, Mueller C, Green DR, Brunner T. J Biol Chem. 2004 Sep 3;279(36):37334-42. Epub 2004 Jun 23.