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Phospho-CCNB1(S35) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3882a

Product Information

Application	DB, WB, E
Primary Accession	P14635
Other Accession	NP_114172.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42141
Calculated MW	48337

Additional Information

Gene ID	891
Other Names	G2/mitotic-specific cyclin-B1, CCNB1, CCNB
Target/Specificity	This CCNB1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S35 of human CCNB1.
Dilution	DB~~1:500 WB~~1:1100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-CCNB1(S35) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCNB1
Synonyms	CCNB
Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition (PubMed:27030811, PubMed:17495531, PubMed:17495533). Binds and activates cyclin-dependent protein kinase CDK1/CDC2 (PubMed:41100585).

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

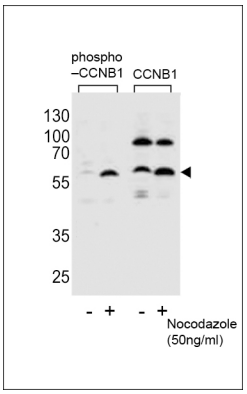
Background

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].

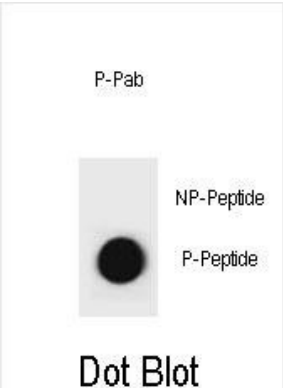
References

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van Zon, W., et al. J. Cell Biol. 190(4):587-602(2010)
Harley, M.E., et al. EMBO J. 29(14):2407-2420(2010)
Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press :
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Images



Western blot analysis of lysate from Hela cells(from left to right),untreated or treated with Nocodazole at 50ng/ml,using Phospho-CCNB1-S35 Antibody (Cat. #AP3882a) or CCNB1-S9 Antibody.Lysate at 15ug per lane.AP3882a was diluted at 1:1100 dilution at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody.



Dot blot analysis of CCNB1 Antibody (Phospho S35) Phospho-specific Pab (Cat. #AP3882a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.