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Phospho-CCNB2(S10) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3837a

Product Information

Application	DB, E
Primary Accession	O95067
Other Accession	Q4R7A8, NP_004692.1
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42143
Calculated MW	45282

Additional Information

Gene ID	9133
Other Names	G2/mitotic-specific cyclin-B2, CCNB2
Target/Specificity	This CCNB2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S10 of human CCNB2.
Dilution	DB~~1:500 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-CCNB2(S10) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCNB2
Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition.

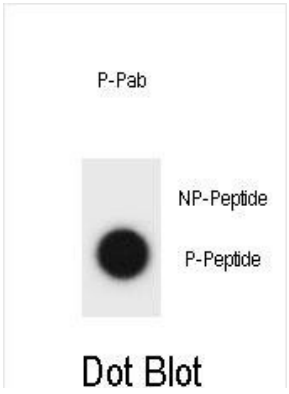
Background

Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1 and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control.

References

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De Martino, I., et al. Cancer Res. 69(5):1844-1850(2009)
Bellanger, S., et al. Oncogene 26(51):7175-7184(2007)
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Images



Dot blot analysis of CCNB2 Antibody (Phospho S10) Phospho-specific Pab (Cat. #AP3837a) 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'.