

Phospho-CCNB2(S10) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3837a

Specification

Phospho-CCNB2(S10) Antibody - Product Information

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

Phospho-CCNB2(S10) Antibody - 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.

Phospho-CCNB2(S10) Antibody - Protein Information

Name CCNB2

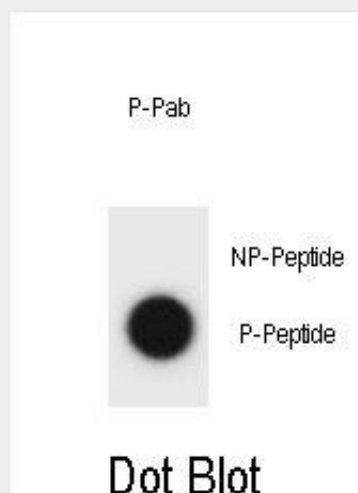
Function Essential for the control of the cell cycle at the G2/M (mitosis) transition.

Phospho-CCNB2(S10) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-CCNB2(S10) Antibody - 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.

Phospho-CCNB2(S10) Antibody - 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.

Phospho-CCNB2(S10) Antibody - References

Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)
Haraguchi, T., et al. Fertil. Steril. 91 (4 SUPPL), 1424-1426 (2009) :
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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