

Phospho-CCNB3(T280) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3841a

Specification

Phospho-CCNB3(T280) Antibody - Product Information

Application	DB,E
Primary Accession	Q8WWL7
Other Accession	NP_149020.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	157916

Phospho-CCNB3(T280) Antibody - Additional Information

Gene ID 85417

Other Names

G2/mitotic-specific cyclin-B3, CCNB3, CYCB3

Target/Specificity

This CCNB3 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T280 of human CCNB3.

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-CCNB3(T280) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-CCNB3(T280) Antibody - Protein Information

Name CCNB3

Synonyms CYCB3

Function Cyclins are positive regulatory subunits of the cyclin- dependent kinases (CDKs), and thereby play an essential role in the control of the cell cycle, notably via their destruction during cell division. Its tissue specificity suggest that it may be required during early meiotic prophase I.

Cellular Location

Nucleus.

Tissue Location

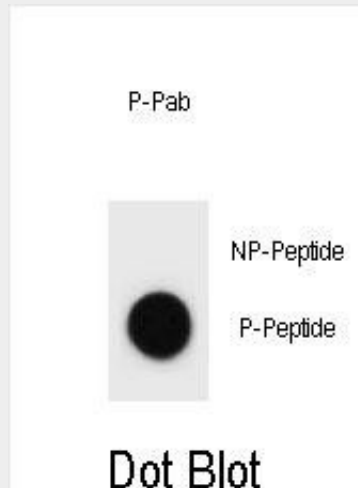
Testis specific. In testis, it is expressed in developing germ cells, but not in Leydig cells. Weakly or not expressed in other tissues.

Phospho-CCNB3(T280) 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-CCNB3(T280) Antibody - Images



Dot blot analysis of CCNB3 Antibody (Phospho T280) Phospho-specific Pab (Cat. #AP3841a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Phospho-CCNB3(T280) Antibody - Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Studies of similar genes in chick and Drosophila suggest that this

cyclin may associate with CDC2 and CDK2 kinases, and be required for proper spindle reorganization and restoration of the interphase nucleus. Two transcript variants encoding different isoforms have been found for this gene.

Phospho-CCNB3(T280) Antibody - References

Cheng, J., et al. Science 308(5725):1149-1154(2005)
Nguyen, T.B., et al. J. Biol. Chem. 277(44):41960-41969(2002)
Hrimech, M., et al. EMBO J. 21 (14), 3918 (2002) :
Lozano, J.C., et al. Biochem. Biophys. Res. Commun. 291(2):406-413(2002)
Mouland, A.J., et al. Virology 292(2):321-330(2002)