

Phospho-CCNB2(T359) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP3840a

Specification

Phospho-CCNB2(T359) Antibody - Product Information

Application DB,E **Primary Accession** 095067 Other Accession NP 004692.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 45282

Phospho-CCNB2(T359) 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 T359 of human CCNB2.

Dilution

DB~~1:500

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(T359) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-CCNB2(T359) Antibody - Protein Information

Name CCNB2

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

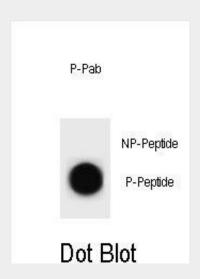


Phospho-CCNB2(T359) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Phospho-CCNB2(T359) Antibody - Images



Dot blot analysis of CCNB2 Antibody (Phospho T359) Phospho-specific Pab (Cat. #AP3840a) 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(T359) 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(T359) 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) Stav, D., et al. Int. J. Biol. Markers 22(2):108-113(2007)