10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-CCNB2(T359) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3840a

Specification

Phospho-CCNB2(T359) Antibody - Product Information

Application	**DB,E**
Primary Accession	O95067
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.

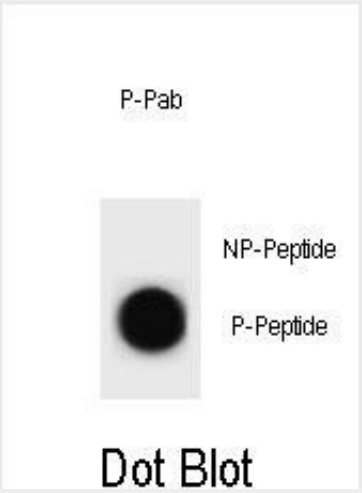
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-CCNB2(T359) 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 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)