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Anti-Cyclin B3 Antibody

Catalog # AP59955

Product Information

Application	WB, IF/IC
Primary Accession	Q8WWL7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	157916

Additional Information

Gene ID	85417
Other Names	CYCB3; G2/mitotic-specific cyclin-B3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cyclin B3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

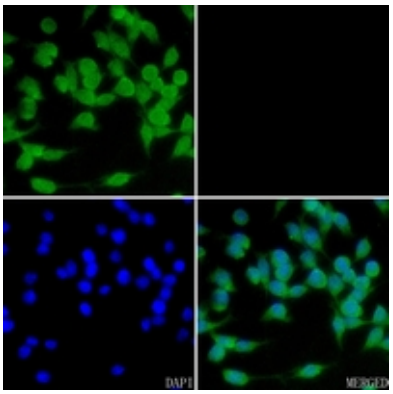
Protein Information

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.

Images



Western blot analysis of Cyclin B3 expression in rat brain (A), mouse liver (B) whole cell lysates. (Predicted band size: 157 kD; Observed band size: 157 kD)



Immunofluorescent analysis of Cyclin B3 staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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