



# CCNB3 Monoclonal Antibody

Catalog No	BYmab-06663
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CCNB3 CYCB3
Protein Name	G2/mitotic-specific cyclin-B3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CCNB3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	153kD
Cell Pathway	Nucleus .
Tissue Specificity	Testis specific. In testis, it is expressed in developing germ cells, but not in Leydig cells. Weakly or not expressed in other tissues.
Function	domain:The N-terminal destruction box (D-box) probably acts as a recognition signal for degradation via the ubiquitin-proteasome pathway.,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.,PTM:Ubiquitinated (Probable). Ubiquitination leads to its degradation during anaphase entry, after degradation of CCNB1.,similarity:Belongs to the cyclin family. Cyclin AB subfamily.,subunit:Interacts with CDK2 kinase.,tissue specificity:Testis specific. In testis, it is expressed in developing germ cells, but not in Leydig cells. Weakly or not expressed in other tissues.,

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**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 positive regulators of cyclin-dependent kinases (CDKs), and thereby play an essential role in the control of the cell cycle. Different cyclins exhibit distinct expression and degradation patterns, which contribute to the temporal coordination of each mitotic event. Studies of similar genes in chicken and drosophila suggest that this cyclin may associate with CDC2 and CDK2 kinases, and may be required for proper spindle reorganization and restoration of the interphase nucleus. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images