



# Anti-CCNB1 monoclonal antibody, clone W263 (DCABH-9535)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Cyclin B1
<b>Antigen Description</b>	Essential for the control of the cell cycle at the G2/M (mitosis) transition.
<b>Specificity</b>	Cyclin B1 expression is restricted to a specific short period of the cell cycle with cyclin B1 expression detected earlier and peaking in concentration before cyclin B2 expression.
<b>Immunogen</b>	His-tagged Hamster Cyclin B1 expressed in bacteria, harvested from inclusion bodies, extracted with 6M guanidine HCl and purified on Nickel beads.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	W263
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	SDS-PAGE, ICC/IF, IHC (PFA fixed), Flow Cyt, WB, IHC-FoFr, IHC-P, IHC-Fr
<b>Positive Control</b>	In Western Blot, this antibody gave a positive signal in the following whole cell lysates: HeLa; Daudi; K562; Jurkat; HEK293. In IHC, positive staining was observed in a Human Normal Tonsil formalin fixed paraffin embedded tissue section.
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Preservative: 0.02% Sodium azide; Constituent: PBS

<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## GENE INFORMATION

Gene Name	<a href="#">CCNB1 cyclin B1 [ Homo sapiens ]</a>
Official Symbol	CCNB1
Synonyms	CCNB1; cyclin B1; CCNB; G2/mitotic-specific cyclin-B1; G2/mitotic specific cyclin B1; G2/mitotic-specific cyclin B1;
Entrez Gene ID	<a href="#">891</a>
Protein Refseq	<a href="#">NP_114172</a>
UniProt ID	<a href="#">P14635</a>
Chromosome Location	5q12
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;
Function	histone kinase activity; kinase activity; patched binding; protein binding; protein kinase binding; protein kinase binding;