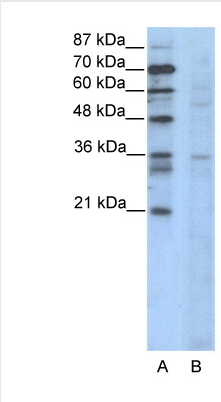
CCNB3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCNB3, Polyclonal Antibody
Full Product Name	CCNB3 antibody
Product Gene Name	anti-CCNB3 antibody
Product Synonym Names	Polyclonal CCNB3; Anti-CCNB3; CCNB-3; CCNB 3; cyclin B3; CCNB3
Clonality	Polyclonal
Host	Rabbit
Form/Format	Lyophilized powder. Add 100 ul of distilled water. Final antibody concentration is 1 mg/ml in PBS buffer.
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C, following reconstitution, aliquot and store at -20 degree C. Avoid repeated freeze-thaw cycles.
Molecular Weight	12,195 Da
OMIM	300456
3D Structure	ModBase 3D Structure for Q8WWL7
Cross-Reactivity	Human
Immunogen	CCNB3 antibody was raised in rabbit using the N terminal of CCNB3 as the immunogen
Product Categories/Family for anti-CCNB3 antibody	Cell Cycle & Cell Death
Applications Tested/Suitable for anti-CCNB3 antibody	Western Blot (WB)
Application Notes for anti-CCNB3 antibody	WB: 2.5 ug/ml
Related Product Information for anti-CCNB3 antibody	MBS834430 is an antibody targeting CCNB3. Also known as CCNB3 antibody. Host: Rabbit. Rabbit polyclonal CCNB3 antibody
Other Notes	Small volumes of anti-CCNB3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot of anti-CCNB3 antibody
Western Blot analysis using CCNB3 antibodyCCNB3 antibody used at 0.2-1 ug/ml to detect target protein.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNB3. It may not necessarily be applicable to this product.

NCBI GI #	16306525
NCBI GeneID	85417
NCBI Accession #	NP_391990
UniProt Primary Accession #	Q8WWL7
UniProt Secondary Accession #	Q96SB5; Q96SB6; Q96SB7; Q9NT38; B1AQI5; B1AQI6
UniProt Related Accession #	Q8WWL7
GenBank Nucleotide #	NM_033670.2
NCBI Official Full Name	G2/mitotic-specific cyclin-B3 isoform 1
NCBI Official Synonym Full Names	cyclin B3
NCBI Official Symbol	CCNB3
UniProt Protein Name	G2/mitotic-specific cyclin-B3
UniProt Gene Name	CCNB3
UniProt Synonym Gene Names	CYCB3
UniProt Entry Name	CCNB3_HUMAN
NCBI Protein Information	G2/mitotic-specific cyclin-B3
NCBI Summary for CCNB3	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]

UniProt Comments for CCNB3	CCNB3: 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. Belongs to the cyclin family. Cyclin AB subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: Xp11 Cellular Component: nucleoplasm Molecular Function: protein binding; protein kinase binding Biological Process: meiotic cell cycle; cell division; regulation of G2/M transition of mitotic cell cycle; regulation of cyclin-dependent protein kinase activity
Research Articles on CCNB3	**1.** Study provides a detailed description of the histologic spectrum, immunohistochemical features, and clinical characteristic of BCOR-CCNB3 sarcoma justifying distinction from Ewing sarcoma with its typical EWS/FUS-ETS translocations.
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