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Cyclin B3 Rabbit pAb

Catalog # AP97903

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWL7
Other Accession	Q8WWL7
Reactivity	Rat, Human
Predicted	Pig, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	157916
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Cyclin B3
Epitope Specificity	1117-1200/1395
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the cyclin family. Cyclin AB subfamily.
SUBUNIT	Interacts with CDK2 kinase.
Post-translational modifications	Ubiquitinated (Probable). Ubiquitination leads to itsdegradation during anaphase entry, after degradation of CCNB1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the highlyconserved cyclin family, whose members are characterized by adramatic 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 thecell cycle. Different cyclins exhibit distinct expression anddegradation patterns, which contribute to the temporal coordinationof each mitotic event. Studies of similar genes in chicken anddrosophila suggest that this cyclin may associate with CDC2 andCDK2 kinases, and may be required for proper spindle reorganizationand restoration of the interphase nucleus. Alternatively splicedtranscript variants encoding different isoforms have been describedfor this gene.

Additional Information

Gene ID	85417
Other Names	CCNB3_HUMAN; CCNB3; CYCB3; cyclin B3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=3ug/test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.