



Rabbit Anti-Cyclin B2 antibody

SL6656R

Product Name:	Cyclin B2
Chinese Name:	周期素B2抗体
Alias:	Cyclin-B2; CycB2; G2 mitotic specific cyclin B2; G2/mitotic specific cyclin B2; CCNB2 HUMAN.
文献引用 PubMed :	Specific References(1) SL6656R has been referenced in 1 publications. [IF=2.08]Zhang, Jihong, et al. "Interleukin 18 augments growth ability via NF-κB and p38/ATF2 pathways by targeting cyclin B1, cyclin B2, cyclin A2, and Bcl-2 in BRL-3A rat liver cells." Gene (2015).WB;Rat. PubMed:25752290
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cyclin B2:221-320/398
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	<p>Cyclin B2 belongs to a the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Cyclin B2 has been shown to be expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins.</p> <p>Function: Essential for the control of the cell cycle at the G2/M (mitosis) transition.</p> <p>Subunit: Interacts with the CDK1 protein kinase to form a serine/threonine kinase holoenzyme complex also known as maturation promoting factor (MPF). The cyclin subunit imparts substrate specificity to the complex.</p> <p>Similarity: Belongs to the cyclin family. Cyclin AB subfamily.</p> <p>SWISS: O95067</p> <p>Gene ID: 9133</p> <p>Database links: Entrez Gene: 9133Human Entrez Gene: 12442Mouse Entrez Gene: 363088Rat Omim: 602755Human SwissProt: O95067Human SwissProt: P30276Mouse Unigene: 194698Human Unigene: 22592Mouse</p>

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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