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# anti-Cyclin B1 antibody (Internal Region)

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**Publications** 



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Target:

Quantity:	100 μL
Target:	Cyclin B1 (CCNB1)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA,
	Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human Cyclin B1, corresponding to a region within the
	internal amino acids.
Isotype:	IgG
Specificity:	Cyclin B1 Antibody detects endogenous levels of total Cyclin B1.
Predicted Reactivity:	Bovine, Horse, Sheep, Rabbit, Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling
	Resin (Thermo Fisher Scientific).
Target Details	

Cyclin B1 (CCNB1)

### **Target Details**

Alternative Name:	CCNB1 (CCNB1 Products)
Background:	Description: Essential for the control of the cell cycle at the G2/M (mitosis) transition.  Gene: CCNB1
Molecular Weight:	60kDa
Gene ID:	891
UniProt:	P14635
Pathways:	Cell Division Cycle, AMPK Signaling, Mitotic G1-G1/S Phases, M Phase

## **Application Details**

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 $\%$ sodium azide and 50 $\%$ glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

#### **Publications**

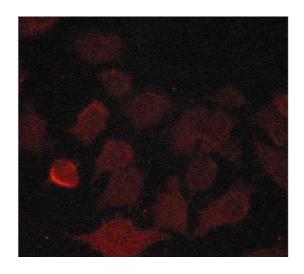
Product cited in: Zhu, Zhang, Yan, Li, Cui, Zhu, Xia, Yang, Yuan, Chen, Luo, Chen, Xing, Lu, Wu: "LncRNA16 is a potential biomarker for diagnosis of early-stage lung cancer that promotes cell proliferation by regulating the cell cycle." in: **Oncotarget**, Vol. 8, Issue 5, pp. 7867-7877, (2018) (PubMed).

Huang, Song, Tao, Shao, Zeng, Xu, Qi, Sun: "Ovostatin 2 knockdown significantly inhibits the

growth, migration, and tumorigenicity of cutaneous malignant melanoma cells." in: **PLoS ONE**, Vol. 13, Issue 4, pp. e0195610, (2018) (PubMed).

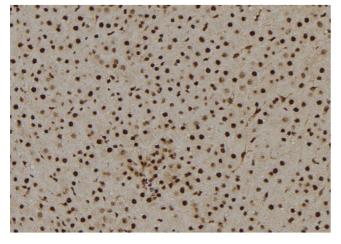
Yuan, Xi, Chen, Zhu, Kang, Zou, Wang, Bu: "STAT3 stimulates adipogenic stem cell proliferation and cooperates with HMGA2 during the early stage of differentiation to promote adipogenesis." in: **Biochemical and biophysical research communications**, Vol. 482, Issue 4, pp. 1360-1366, (2017) (PubMed).

### **Images**



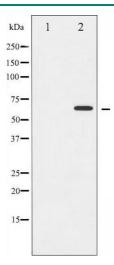
#### Immunofluorescence (fixed cells)

**Image 1.** ABIN6269146 staining A549 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



#### **Immunohistochemistry**

**Image 2.** ABIN6269146 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### **Western Blotting**

**Image 3.** Western blot analysis of Cyclin B1 expression in serum treated HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.