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Datasheet for ABIN2854892 anti-Cyclin B1 antibody

7 Images

3 Publications



Overview

Quantity:	100 μL
Target:	Cyclin B1 (CCNB1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Cyclin B1. The exact sequence is proprietary.
lsotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to Cyclin B1 (cyclin B1)
	Cyclin B1 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	Cyclin B1 (CCNB1)
Alternative Name:	cyclin B1 (CCNB1 Products)

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Target Details

Background:The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product
complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative
transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated
transcript, that is expressed predominantly during G2/M phase. The different transcripts result
from the use of alternate transcription initiation sites.

Cellular Localization: Cytoplasm , Nucleus , Centrosome

Molecular Weight:	48 kDa
Gene ID:	891
UniProt:	P14635
Pathways:	Cell Division Cycle, AMPK Signaling, Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	WB: 1:500-1:5000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations
	should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HeLa
	Validation: Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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Manzione, Rombouts, Steklov, Pasquali, Sablina, Gelens, Qian, Bollen: "Co-regulation of the antagonistic RepoMan:Aurora-B pair in proliferating cells." in: **Molecular biology of the cell**, Vol. 31, Issue 6, pp. 419-438, (2020) (PubMed).

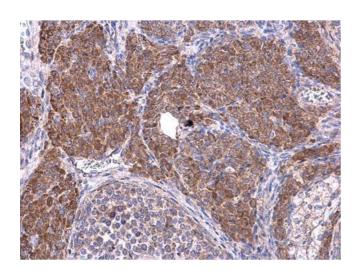
Huang, Zhang, Jiang, Zhang, Xiang, Ren: "FoxM1 Induced Paclitaxel Resistance via Activation of the FoxM1/PHB1/RAF-MEK-ERK Pathway and Enhancement of the ABCA2 Transporter." in: **Molecular therapy oncolytics**, Vol. 14, pp. 196-212, (2019) (PubMed).

Cohn, Feldman, Weil, Kublanovsky, Levy: "Chromatin associated SETD3 negatively regulates VEGF expression." in: **Scientific reports**, Vol. 6, pp. 37115, (2018) (PubMed).

Xie, Wu, Mack, Yang, Kim, Hubert, Flavahan, Chu, Bao, Rich: "CDC20 maintains tumor initiating cells." in: **Oncotarget**, Vol. 6, Issue 15, pp. 13241-54, (2016) (PubMed).

Sanders, Ross-Innes, Beraldi, Carroll, Balasubramanian: "Genome-wide mapping of FOXM1 binding reveals co-binding with estrogen receptor alpha in breast cancer cells." in: **Genome biology**, Vol. 14, Issue 1, pp. R6, (2014) (PubMed).

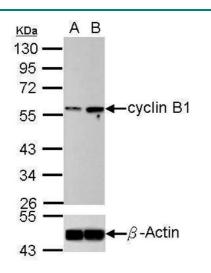
Images



Immunohistochemistry

Image 1. IHC-P Image Cyclin B1 antibody detects Cyclin B1 protein at cytoplasm on mouse ovary by immunohistochemical analysis. Sample: Paraffin-embedded mouse ovary. Cyclin B1 antibody , diluted at 1:500.

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Western Blotting

Image 2. WB Image Western blot analysis of cyclin B1 (, upper panel) and beta-actin , lower panel) Sample (30 ug of whole cell lysate) A: U2OS B: U2OS treated 100ng/ml Nocodazole 16hr 10% SDS PAGE antibody diluted at 1:500

Western Blotting

Image 3. WB Image Sample (50 ug of HeLa whole cell lysate) antibody diluted at 1:5000

control 0 6 8 Double-thymidine release (hr) Cyclin B1 (G2/M-phase) ACTIN

Please check the product details page for more images. Overall 7 images are available for ABIN2854892.