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Datasheet for ABIN2779290

## anti-Cyclin B1 antibody (C-Term)

### 5 Images

#### Overview

Quantity:	100 µL
Target:	Cyclin B1 (CCNB1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CCNB1
Sequence:	YTESLLPVM QHLAKNVVMV NQGLTKHMTV KNKYATSKHA KISTLPQLNS
Predicted Reactivity:	Cow: 92%, Dog: 85%, Guinea Pig: 92%, Horse: 85%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against CCNB1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	Cyclin B1 (CCNB1)
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## Target Details

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Alternative Name:	CCNB1 ( <a href="#">CCNB1 Products</a> )
Background:	<p>CCNB1 is a regulatory protein involved in mitosis. CCNB1 complexes with p34(cdc2) to form the maturation-promoting factor (MPF). 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.</p> <p>Alias Symbols: CCNB</p> <p>Protein Interaction Partner: CDC27, CDC20, CDH1, ANAPC11, FZR1, ANAPC4, SIRT1, BTRC, CDC16, UBC, CDKN1A, VCP, Samhd1, CKS2, CKS1B, RHOBTB3, CDK1, CDK5, CDK2, SQSTM1, PTMA, TP73, TP53BP1, POLA1, RB1, CDK7, HIST1H1B, CDC6, CCNB1IP1, MFN1, MARCH5, PRC1, HIST1H1A, SDHAF2, NDC80, CDT1, RP</p> <p>Protein Size: 433</p>
Molecular Weight:	48 kDa
Gene ID:	891
NCBI Accession:	<a href="#">NM_031966</a> , <a href="#">NP_114172</a>
UniProt:	<a href="#">P14635</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">AMPK Signaling</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">M Phase</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 433 AA
Restrictions:	For Research Use only

## Handling

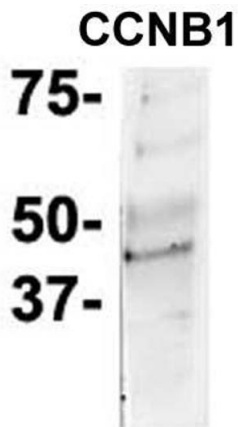
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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

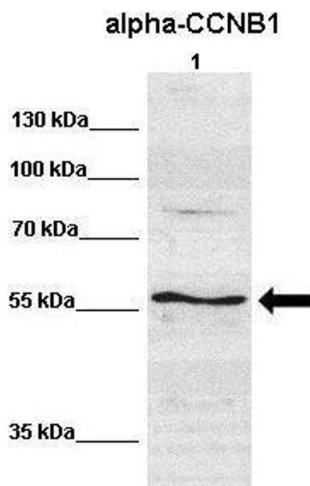
## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



See Other Application 1 Data and Customer Feedback tab for more information.



### Western Blotting

**Image 1. IP Suggested Anti-CCNB1 Antibody**

**Positive Control:** NT2 CELL/BRAIN TISSUE

### Western Blotting

**Image 2. WB Suggested Anti-CCNB1 Antibody**

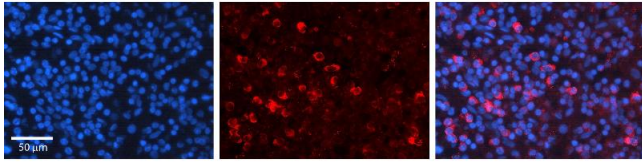
Positive Control: Lane 1:641 µg human NT2 cell line

Primary Antibody Dilution: 1:000

Secondary Antibody: IRDye 800 CW goat anti-rabbit from Li-COR BioscienceSecondary

Antibody Dilution: 1:00,000

Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science



### Immunohistochemistry

**Image 3.** Rabbit Anti-CCNB1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Lymph Node Tissue Observed Staining: Cytoplasm Primary Antibody Concentration: 1:600 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2779290.