

Datasheet for ABIN969006
anti-Cyclin B1 antibody[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	100 µL
Target:	Cyclin B1 (CCNB1)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human CCNB1 expressed in E. coli.
Clone:	5G6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Cyclin B1 (CCNB1)
Alternative Name:	CCNB1 (CCNB1 Products)
Background:	Description: 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. (provided by RefSeq) It

Target Details

	has higher expression in tumor tissues . Aliases: CCNB, CCNB1
Molecular Weight:	60 kDa
Gene ID:	891
HGNC:	891
Pathways:	Cell Division Cycle , AMPK Signaling , Mitotic G1-G1/S Phases , M Phase

Application Details

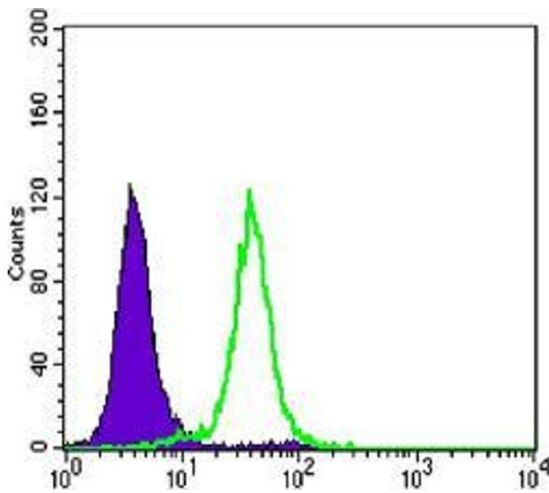
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

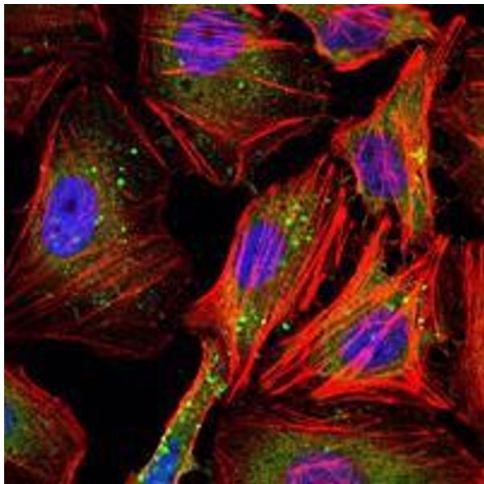
Publications

Product cited in:	Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: The Journal of biological chemistry , Vol. 286, Issue 10, pp. 8585-96, (2011) (PubMed).
	Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle." in: Cellular and molecular life sciences : CMLS , Vol. 66, Issue 8, pp. 1457-66, (2009) (PubMed).



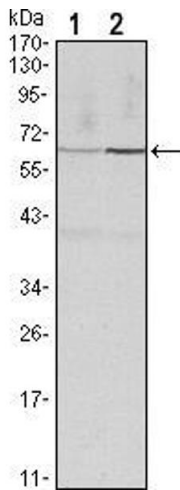
Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells using CCNB1 mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 2. Immunofluorescence analysis of Hela cells using CCNB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

Image 3. Western blot analysis using CCNB1 mouse mAb against Hela (1) and PC-12 (2) cell lysate.