Datasheet for ABIN969005

anti-Cyclin B1 antibody

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Overview

Quantity:	100 µL
Target:	Cyclin B1 (CCNB1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cyclin B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	CCNB1 Antibody
Immunogen:	Purified recombinant fragment of human CCNB1 expressed in E. Coli.
Clone:	1B10
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	Cyclin B1 (CCNB1)
Alternative Name:	CCNB1 (CCNB1 Products)
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

Target Details

	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 has higher expression in tumor tissues .
Molecular Weight:	60 kDa
Gene ID:	891
UniProt:	P14635
Pathways:	Cell Division Cycle, AMPK Signaling, Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	ELISA: 1/10000
Restrictions:	For Research Use only

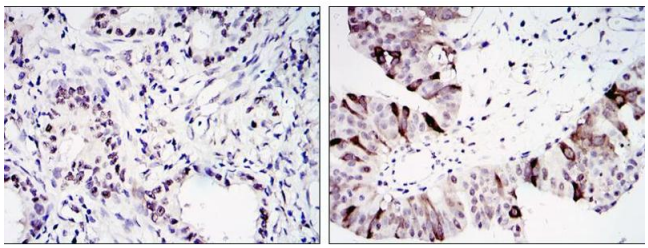
Handling

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:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

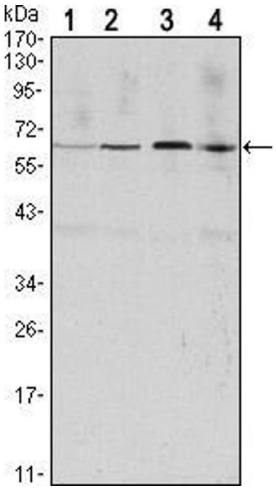
Product cited in:	Zhang, Li, Guo, Cao, Zhao, Jiang, Ma, Yi, Li, Jiang, Wu, Wang, Si: "DH166, a beta-carboline derivative, inhibits the kinase activity of PLK1." in: **Cancer biology & therapy**, Vol. 8, Issue 24, pp. 2374-83, (2010) (PubMed). Okayama, Kumamoto, Saitou, Hayase, Kofunato, Sato, Miyamoto, Nakamura, Ohki, Sekikawa, Takenoshita: "CD44v6, MMP-7 and nuclear Cdx2 are significant biomarkers for prediction of lymph node metastasis in primary gastric cancer." in: **Oncology reports**, Vol. 22, Issue 4, pp. 745-55, (2009) (PubMed).

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded lung cancer (left) and ovary tumour tissues (right) using CCNB1 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using CCNB1 mouse mAb against Hela (1), Jurkat (2), K562 (3) and PC-12 (4) cell lysate.