

Datasheet for ABIN1881159
anti-Cyclin B2 antibody (pThr359)[Go to Product page](#)

1 Image

5 Publications

Overview

Quantity:	400 µL
Target:	Cyclin B2 (CCNB2)
Binding Specificity:	pThr359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin B2 antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This CCNB2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T359 of human CCNB2.
Clone:	RB42151
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Cyclin B2 (CCNB2)
Alternative Name:	CCNB2 (CCNB2 Products)
Background:	Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1

Target Details

and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control.

Molecular Weight: 45282

NCBI Accession: [NP_004692](#)

UniProt: [O95067](#)

Pathways: [Cell Division Cycle, M Phase](#)

Application Details

Application Notes: DB: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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

Expiry Date: 6 months

Publications

Product cited in: Haraguchi, Ishikawa, Yamaguchi, Fujisawa: "Cyclin and protamine as prognostic molecular marker for testicular sperm extraction in patients with azoospermia." in: **Fertility and sterility**, Vol. 91, Issue 4 Suppl, pp. 1424-6, (2009) ([PubMed](#)).

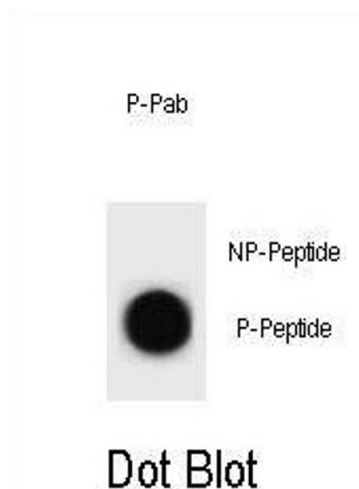
De Martino, Visone, Wierinckx, Palmieri, Ferraro, Cappabianca, Chiappetta, Forzati, Lombardi, Colao, Trouillas, Fedele, Fusco: "HMGA proteins up-regulate CCNB2 gene in mouse and human pituitary adenomas." in: **Cancer research**, Vol. 69, Issue 5, pp. 1844-50, (2009) ([PubMed](#)).

Cunningham, Vierkant, Sellers, Phelan, Rider, Liebow, Schildkraut, Berchuck, Couch, Wang, Fridley, Gentry-Maharaj, Menon, Hogdall, Kjaer, Whittemore, DiCioccio, Song, Gayther, Ramus, Pharaoh, Goode: "Cell cycle genes and ovarian cancer susceptibility: a tagSNP analysis." in: **British journal of cancer**, Vol. 101, Issue 8, pp. 1461-8, (2009) ([PubMed](#)).

Bellanger, de Gramont, Sobczak-Thépot: "Cyclin B2 suppresses mitotic failure and DNA re-replication in human somatic cells knocked down for both cyclins B1 and B2." in: **Oncogene**, Vol. 26, Issue 51, pp. 7175-84, (2007) ([PubMed](#)).

Stav, Bar, Sandbank: "Usefulness of CDK5RAP3, CCNB2, and RAGE genes for the diagnosis of lung adenocarcinoma." in: **The International journal of biological markers**, Vol. 22, Issue 2, pp. 108-13, (2007) ([PubMed](#)).

Images



Dot Blot

Image 1. Dot blot analysis of CCNB2 Antibody (Phospho) Phospho-specific Pab (ABIN1881159 and ABIN2839951) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.