

Anti-Cyclin B1 CCNB1 Antibody

Catalog Number: A00745

About CCNB1

The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product forms a complex 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.

Overview

Product Name	Anti-Cyclin B1 CCNB1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Cyclin B1 CCNB1 Antibody (Catalog # A00745). Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	P14635

Technical Details

Immunogen	Anti-Cyclin B1 antibody was produced by repeated immunizations of full length fusion protein corresponding to the human gene.
Predicted Reactive Species	Bovine, Canine, Equine, Goat, Guinea Pig, Rabbit, Yeast, Zebrafish
Isotype	Antiserum
Form	Liquid (sterile filtered)
Concentration	80 mg/mL by Refractometry
Purification	This product was prepared from monospecific antiserum by delipidation and defibrination. Antiserum will specifically react with a 55-62 kDa Cyclin B1 protein from human, rat and mouse

tissue. No reaction was observed against other related cyclins. Cross-reactivity with Cyclin B1 from other species may also occur.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

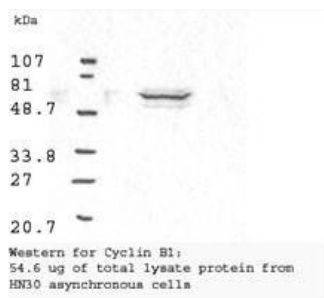
ELISA: 1:2,000 - 1:10,000

IHC: 1:500

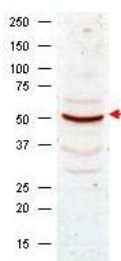
IP: 1:100

WB: 1:500 - 1:1,000

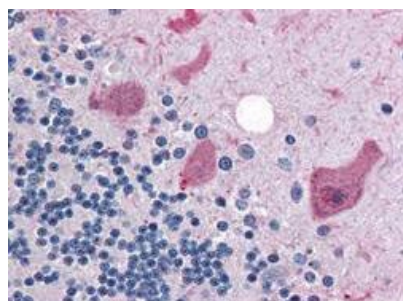
Anti-Cyclin B1 CCNB1 Antibody (A00745) Images



Western blot analysis of Cyclin B1 expression in asynchronous HN30 cell lysates. Cyclin B1 at 62KD was detected using rabbit anti-Cyclin B1 polyclonal antibody (Catalog # A00745) at 1:500. Personal communication, Luca Cote, Temple University, Philadelphia, PA.



Western blot analysis of Cyclin B1 expression in asynchronous HeLa cell lysates. Cyclin B1 at 55KD was detected using rabbit anti-Cyclin B1 polyclonal antibody (Catalog # A00745) at 1:500. Personal communication, Luca D'Agostino, Temple University, Philadelphia, PA.



Cyclin B1 was detected in paraffin-embedded sections of human brain cerebellum tissue using rabbit anti-Cyclin B1 polyclonal antibody (Catalog # A00745). The immunohistochemical section was developed using SABC method (Catalog # SA1022). The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.

4 Publications Citing This Product

1. PubMed ID: 32234541, Wang J,Wang L,Chen S,Peng H,Xiao L,E Du,Liu Y,Lin D,Wang Y,Xu Y,Yang K.PKMYT1 is associated with prostate cancer malignancy and may serve as a therapeutic target.Gene.2020 Jun 20;744:144608.doi:10.1016/j. gene.2020.144608.Epub 2020 Mar 29.PMID:32234541.
2. PubMed ID: 21310960, Yang H, Gu J, Zheng Q, Li M, Lian X, Miao J, Jiang J, Wei W. J Biol Chem. 2011 Apr 1;286(13):11865-74. Doi: 10.1074/Jbc.M110.136929. Epub 2011 Feb 10. Rpb5-Mediating Protein Is Required For The Proliferation Of Hepatocellular Carcinoma Cells.
3. PubMed ID: 27039827, mTORC1 regulates PTHrP to coordinate chondrocyte growth, proliferation and differentiation

Visit bosterbio.com/anti-cyclin-b1-antibody-a00745-boster.html to see all 4 publications.

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