BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CCND1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3579
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human CCND1 expressed in E. Coli.
Mol wt	33.7kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	BCL1;PRAD1;U21B31;D11S287E;CCND1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

During each cell cycle cyclins undergo periodic accumulation and destruction. As key regulators of the cell cycle the cyclins control important transitions by acting as regulatory subunits of the Cdks. Early in the G1 phase of the cell cycle, cyclin D1 induction is followed by cyclin E induction. This sequential progression is marked early on in G1 by the activation of Cdk4 and in mid to late G1 by the activation of Cdk2 and the hyperphosphorylation of pRB. The final transition into S phase is thought to be dependent on the increased expression and association of cyclin E and Cdk2. In a recent study, Cyclin D1 regulates cellular metabolism, fat cell differentiation and cellular migration. Cyclin D1 is also involved in development and cancer. Cyclin D1 has also been linked to the development and progression of several cancers including breast, bladder, esophagus, and lung.

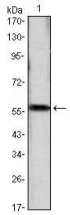
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using CCND1 mAb against CCND1(AA: 1-295)-hIgGFc transfected HEK293 cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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