

产品名称: CCND1 Mouse Monoclonal Antibody  
产品货号: AMM82541



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | CCND1 Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody       |
| 宿主 (Host)              | Mouse                           |
| 应用 (Application)       | WB,IHC,ELISA,FC                 |
| 种属反应性 (Reactivity)     | Human, Mouse                    |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | CCND1                                                                                 |
| 别名 (Alternative Names) | BCL1; PRAD1; U21B31; D11S287E                                                         |
| 基因 ID (Gene ID)        | 595.0                                                                                 |
| 蛋白 ID (SwissProt ID)   | P24385.Purified recombinant fragment of human CCND1 (AA: 1-295) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 33.7kDa                                                              |

## 研究背景 (Background)

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a

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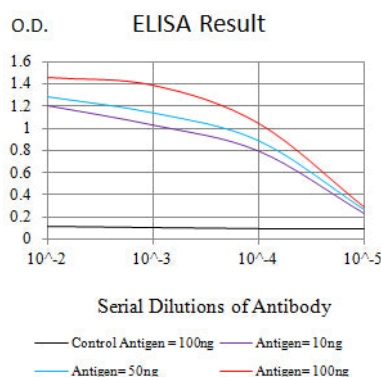


dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of human cancers.

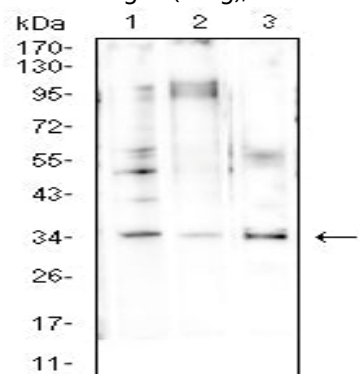
## 研究领域 (Research Area)

PI3K-Akt signaling pathway

## 图片 (Image Data)

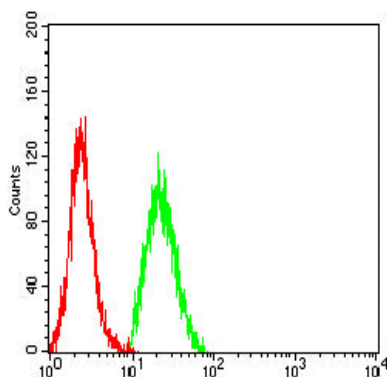


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

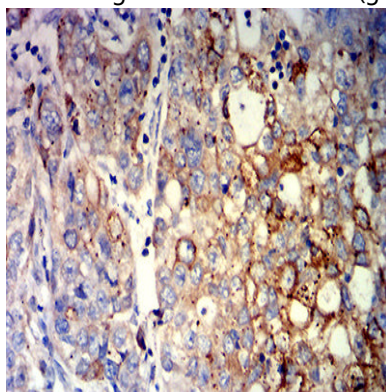


Western blot analysis using CCND1 mouse mAb against LNCAP (1), A431 (2), and NIH/3T3 (3) cell lysate.

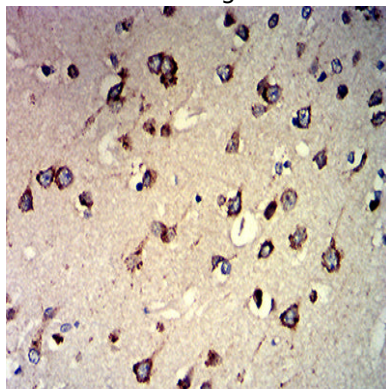
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Flow cytometric analysis of Hela cells using CCND1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using CCND1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain tissues using CCND1 mouse mAb with DAB staining.

### 注意事项 (Note)

For research use only .