

产品名称: CTNNB1 Mouse Monoclonal Antibody  
产品货号: AMM81915



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | CTNNB1 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 IgG2b                                                                              |
| 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)        | CTNNB1                                                                                 |
| 别名 (Alternative Names) | CTNNB; MRD19; armadillo;Beta-catenin                                                   |
| 基因 ID (Gene ID)        | 1499.0                                                                                 |
| 蛋白 ID (SwissProt ID)   | P35222.Purified recombinant fragment of human CTNNB1 (AA: 1-100) 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) | 85.5kDa                                                              |

## 研究背景 (Background)

The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are

产品名称: CTNNB1 Mouse Monoclonal Antibody  
产品货号: AMM81915

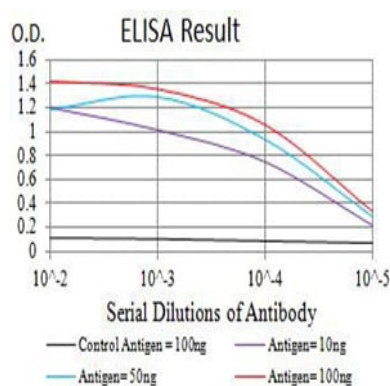


necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

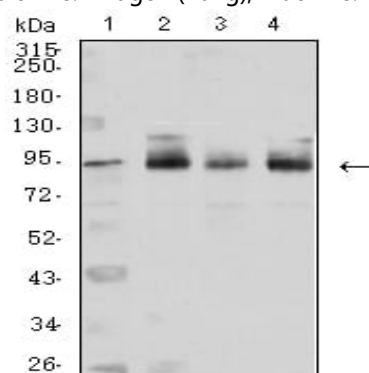
## 研究领域 (Research Area)

Wnt signaling pathway, Hippo signaling pathway

## 图片 (Image Data)

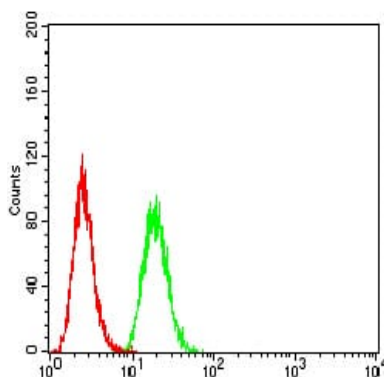


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

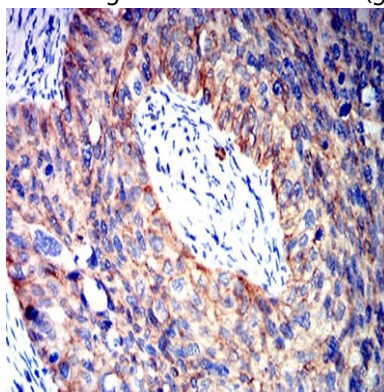


Western blot analysis using CTNNB1 mouse mAb against Hela (1), SH-SY5Y (2), NIH/3T3 (3), and HEK293(4) cell lysate.

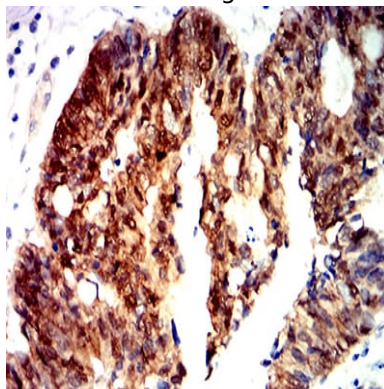
产品名称: CTNNB1 Mouse Monoclonal Antibody  
产品货号: AMM81915



Flow cytometric analysis of Hela cells using CTNNB1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CTNNB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using CTNNB1 mouse mAb with DAB staining.

## 注意事项 (Note)

For research use only .