

产品名称: CDH16 Mouse Monoclonal Antibody  
产品货号: AMM81356



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | CDH16 Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody       |
| 宿主 (Host)              | Mouse                           |
| 应用 (Application)       | WB,IHC,ICC,ELISA,FC             |
| 种属反应性 (Reactivity)     | Human                           |

## 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)        | CDH16                                                                                       |
| 别名 (Alternative Names) | KSP-Cadherin                                                                                |
| 基因 ID (Gene ID)        | 1014.0                                                                                      |
| 蛋白 ID (SwissProt ID)   | O75309.Purified recombinant fragment of human CDH16 (AA: EX(558-721)) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 90kDa                                                                                 |

## 研究背景 (Background)

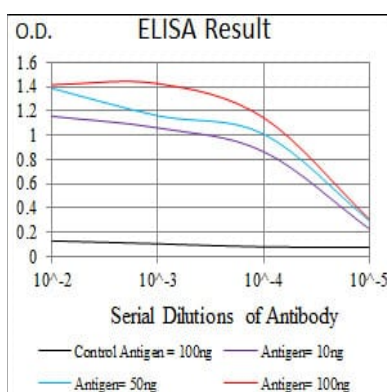
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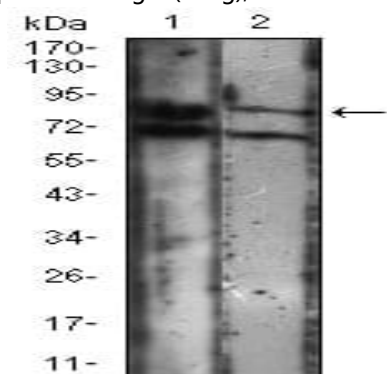
This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

## 研究领域 (Research Area)

## 图片 (Image Data)

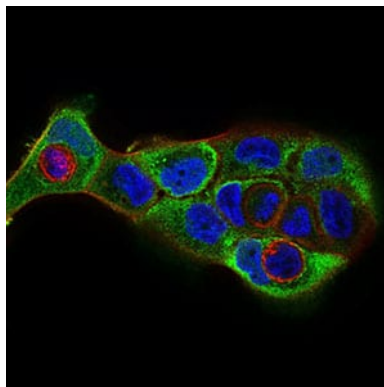


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

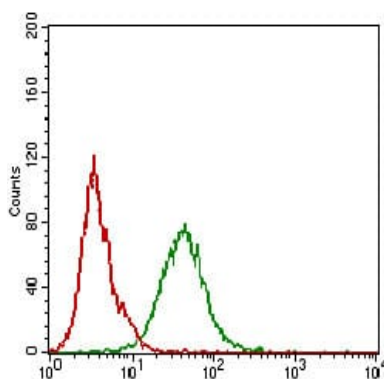


Western blot analysis using CDH16 mouse mAb against A431 (1), Jurkat (2) cell lysate.

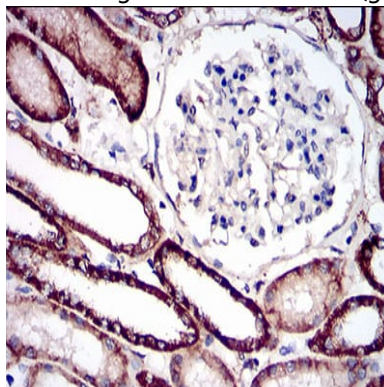
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Immunofluorescence analysis of A431 cells using CDH16 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of A431 cells using CDH16 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human kidney tissues using CDH16 mouse mAb with DAB staining.

## 注意事项 (Note)

For research use only .