

产品名称: VCP Mouse Monoclonal Antibody  
产品货号: AMM82730



## 产品概述 (Summary)

|                        |                               |
|------------------------|-------------------------------|
| 产品名称 (Production Name) | VCP Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody     |
| 宿主 (Host)              | Mouse                         |
| 应用 (Application)       | WB,ICC,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)        | VCP                                                                                          |
| 别名 (Alternative Names) | p97; TERA; CDC48; FTDALS6                                                                    |
| 基因 ID (Gene ID)        | 7415.0                                                                                       |
| 蛋白 ID (SwissProt ID)   | P55072.Purified recombinant fragment of human VCP (AA:707-806) expressed in Mammalian system |

## 产品应用 (Application)

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 89.3kDa                                                              |

## 研究背景 (Background)

This protein forms a homohexameric complex that interacts with a variety of cofactors and extracts ubiquitinated proteins

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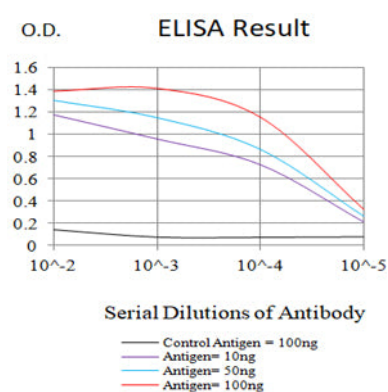


from lipid membranes or protein complexes. Mutations in this gene cause IBMPFD (inclusion body myopathy with paget disease of bone and frontotemporal dementia), ALS (amyotrophic lateral sclerosis) and Charcot-Marie-Tooth disease in human patients.

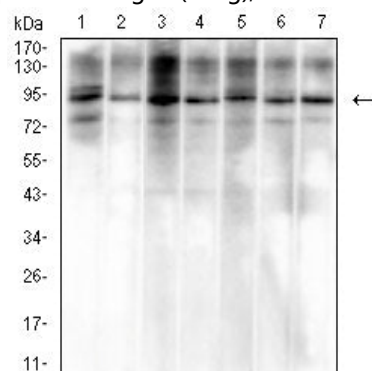
## 研究领域 (Research Area)

Autophagy

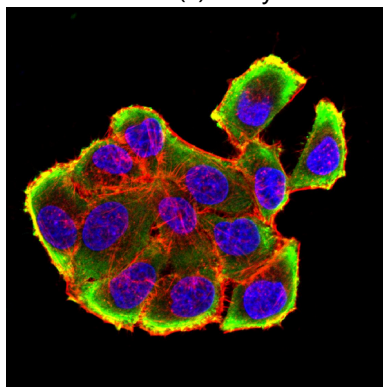
## 图片 (Image Data)



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



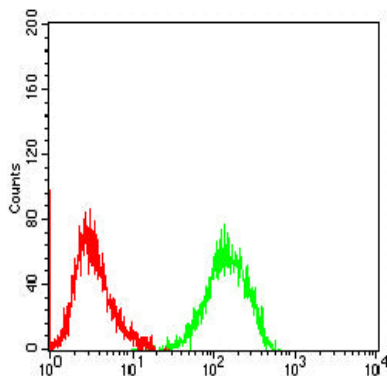
Western blot analysis using VCP mouse mAb against Hela (1), A549 (2), NIH/3T3 (3), Raw264.7 (4), SH-SY5Y (5), MCF-7 (6), and A431 (7) cell lysate.



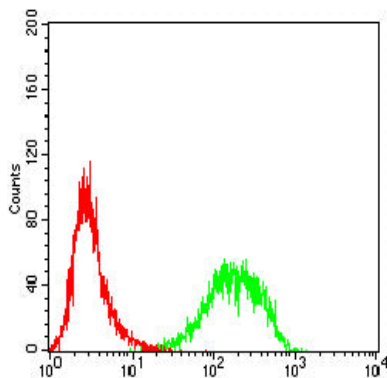
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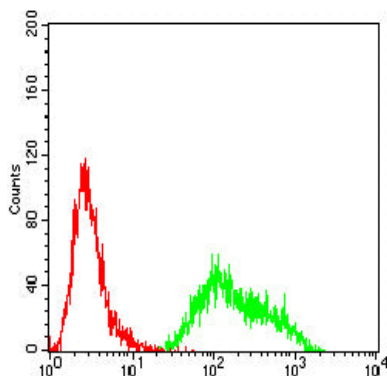
Immunofluorescence analysis of Hela cells using VCP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of MOLT4 cells using VCP mouse mAb (green) and negative control (red).



Flow cytometric analysis of HL-60 cells using VCP mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using VCP mouse mAb (green) and negative control (red).

## 注意事项 (Note)

For research use only .