
Product Name: VCP Mouse Monoclonal Antibody**Catalog #: AMM82730**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,ICC,ELISA,FC |
| Reactivity | Human, Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|--|
| Dilution Ratio | WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| Molecular Weight | 89.3kDa |

Antigen Information

| | |
|--------------------------|---|
| Gene Name | VCP |
| Alternative Names | p97; TERA; CDC48; FTDALS6 |
| Gene ID | 7415.0 |
| SwissProt ID | P55072 |
| Immunogen | Purified recombinant fragment of human VCP (AA:707-806) expressed in Mammalian system |

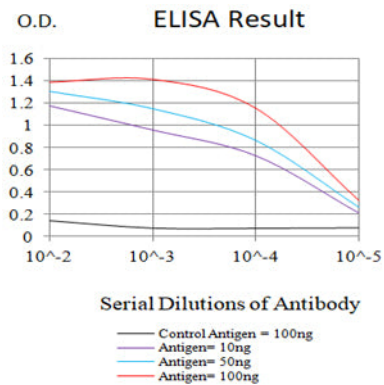
Background

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

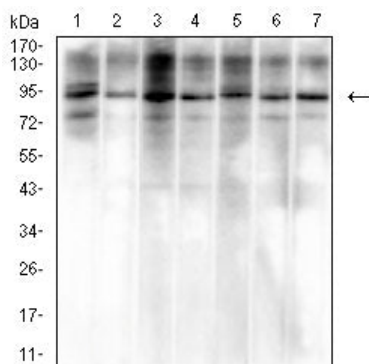
Research Area

Autophagy

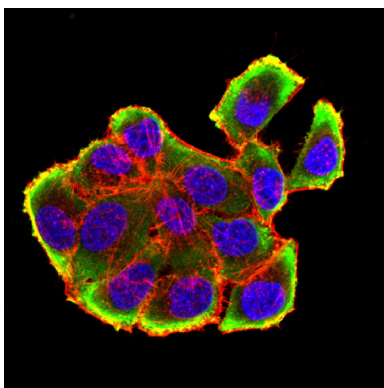
Image Data



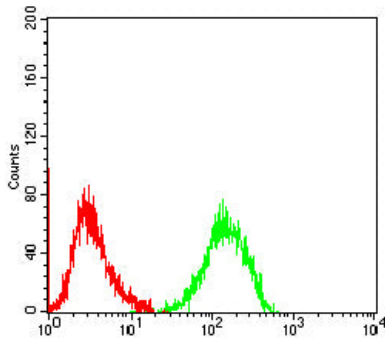
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



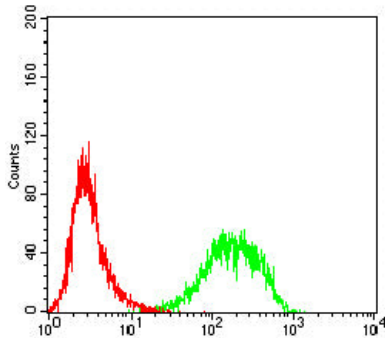
Western blot analysis using VCP mouse mAb against HeLa (1), A549 (2), NIH/3T3 (3), Raw264.7 (4), SH-SY5Y (5), MCF-7 (6), and A431 (7) cell lysate.



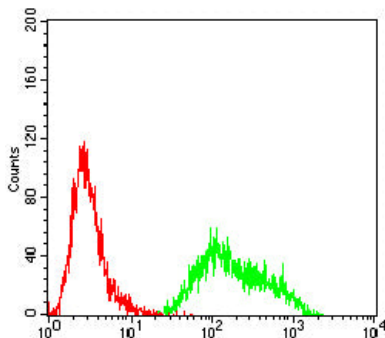
Immunofluorescence analysis of HeLa cells using VCP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



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).