

Product Name: VASP Mouse Monoclonal Antibody
Catalog #: AMM82731



Summary

| | |
|------------------------|--------------------------------|
| Production Name | VASP Mouse Monoclonal Antibody |
| Description | Mouse Monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ICC,FC,ELISA |
| Reactivity | Human, Monkey |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Immunogen

| | |
|--------------------------|--|
| Gene Name | VASP |
| Alternative Names | VASP |
| Gene ID | 7408.0 |
| SwissProt ID | P50552.Purified recombinant fragment of human VASP (AA: 1-380) expressed in E. Coli. |

Application

| | |
|-------------------------|--|
| Dilution Ratio | WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000 |
| Molecular Weight | 39.8kDa |

Background

Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. Ena-VASP family members

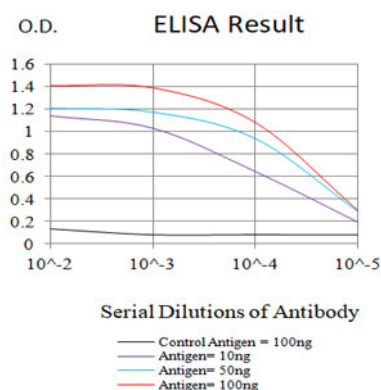
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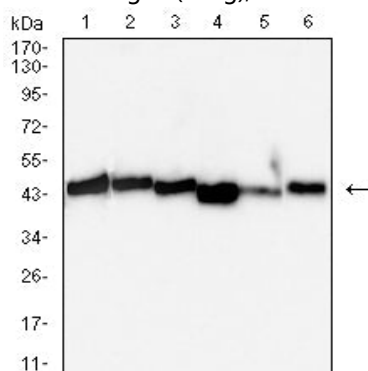
contain an EHV1 N-terminal domain that binds proteins containing E/DFPPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the protein, family members have a proline-rich domain that binds SH3 and WW domain-containing proteins. Their C-terminal EVH2 domain mediates tetramerization and binds both G and F actin. VASP is associated with filamentous actin formation and likely plays a widespread role in cell adhesion and motility. VASP may also be involved in the intracellular signaling pathways that regulate integrin-extracellular matrix interactions. VASP is regulated by the cyclic nucleotide-dependent kinases PKA and PKG. [provided by RefSeq, Jul 2008]

Research Area

Image Data

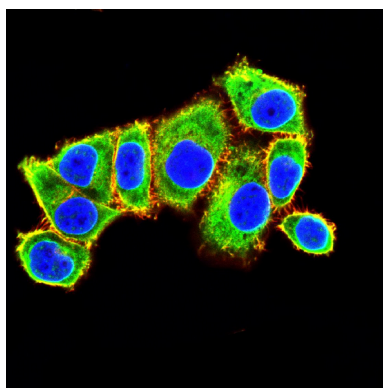


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

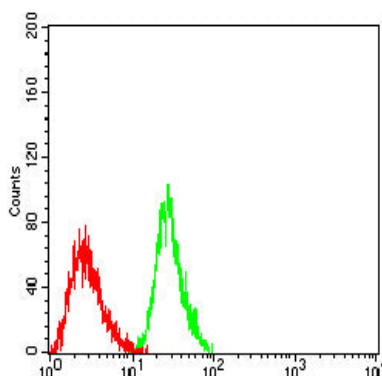


Western blot analysis using VASP mouse mAb against THP-1 (1), HepG2 (2), Hela (3), HT-29 (4), MCF-7 (5), A549 (6), and COS-7 (7) cell lysate.

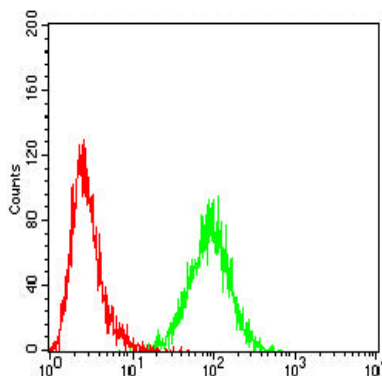
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Immunofluorescence analysis of HeLa cells using VASP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

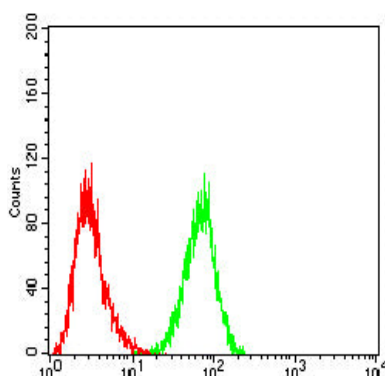


Flow cytometric analysis of MOLT4 cells using VASP mouse mAb (green) and negative control (red).

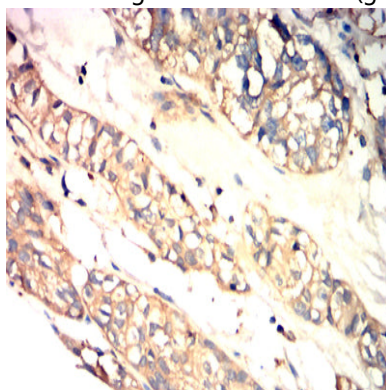


Flow cytometric analysis of THP-1 cells using VASP mouse mAb (green) and negative control (red).

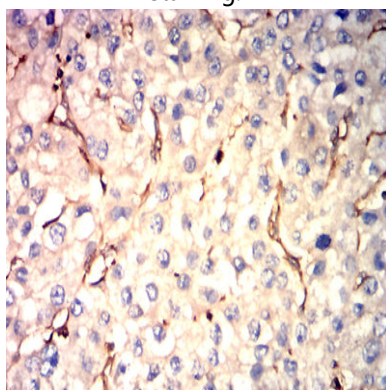
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Flow cytometric analysis of HL-60 cells using VASP mouse mAb (green) and negative control (red).

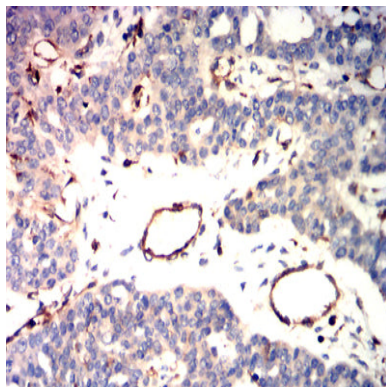


Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using VASP mouse mAb with DAB staining.



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

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

Note

For research use only.