

VASP Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2964
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human VASP (AA: 1-380) expressed in E. Coli.
Mol wt	39.8kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

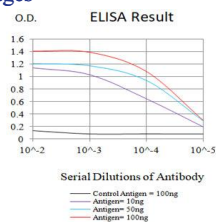
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

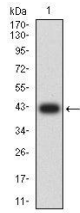
ELISA: 1:10000

Not yet tested in other applications.

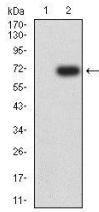
Images



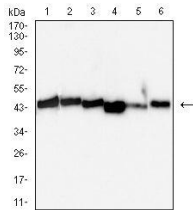
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



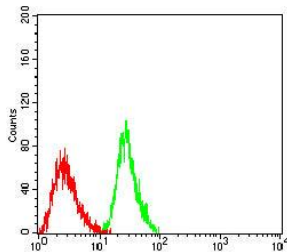
Western blot analysis using VASP mAb against human VASP (AA: 1-380) recombinant protein. (Expected MW is 42.6 kDa)



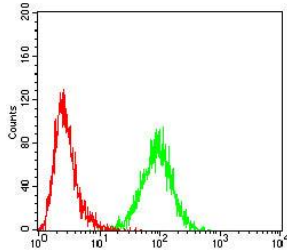
Western blot analysis using VASP mAb against HEK293-6e (1) and VASP (AA: 1-380)-hIgGfc transfected HEK293-6e (2) cell lysate.



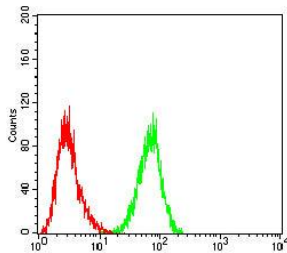
Western blot analysis using VASP mouse mAb against THP-1 (1), HepG2 (2), Hela (3), HT-29 (4), MCF-7 (5), A549 (6), and COS-7 (7) cell lysate.



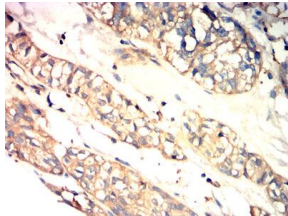
Flow cytometric analysis of MOLT4 cells using VASP mouse mAb (green) and negative control (red).



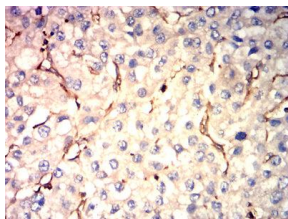
Flow cytometric analysis of THP-1 cells using VASP mouse mAb (green) and negative control (red).



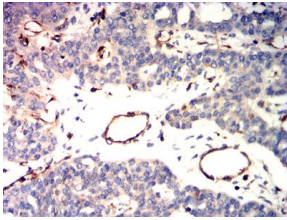
Flow cytometric analysis of HL-60 cells using VASP mouse mAb (green) and negative control (red).



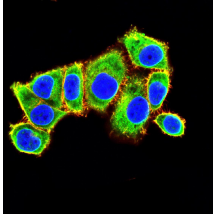
Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using VASP mouse mAb with DAB staining.



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



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



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)

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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