BT LAB
Bioassay Technology Laboratory
Optimize Your Research

VASP Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2584
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,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

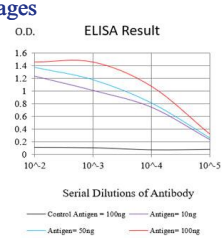
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

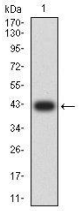
ELISA: 1:10000

Not yet tested in other applications.

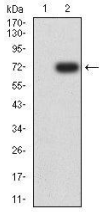
Images



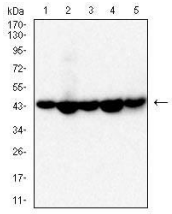
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



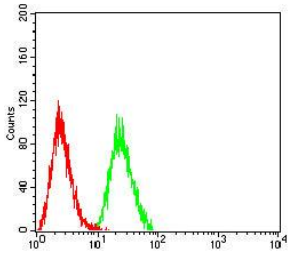
Western blot analysis using VASP mAb against human VASP (AA: 1-380) recombinant protein. (Expected MW is 42.6 kDa)



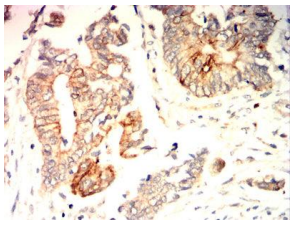
Western blot analysis using VASP mAb against HEK293-6e (1) and VASP (AA: 1-380)-hIgGFc transfected HEK293-6e (2) cell lysate.



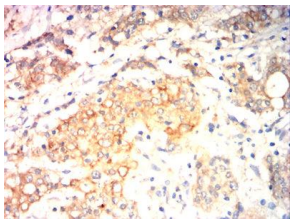
Western blot analysis using VASP mouse mAb against THP-1 (1), Hela (2), HepG2 (3), HT-29 (4), and A549 (5) cell lysate.



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



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



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

Storage

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

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