

## Product datasheet for TA502647

### VASP Mouse Monoclonal Antibody [Clone ID: OTI4D6]

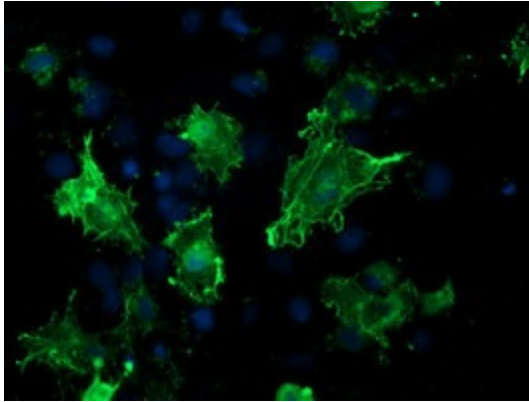
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4D6
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human VASP(NP_003361) produced in 293T Cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	39.6 kDa
Gene Name:	vasodilator stimulated phosphoprotein
Database Link:	<a href="#">NP_003361 Entrez Gene 361517 RatEntrez Gene 7408 Human</a>
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]
Synonyms:	vasodilator-stimulated phosphoprotein
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration

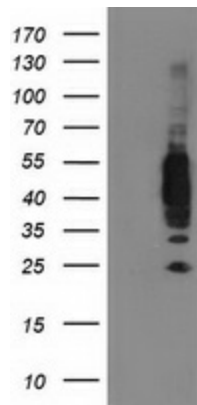


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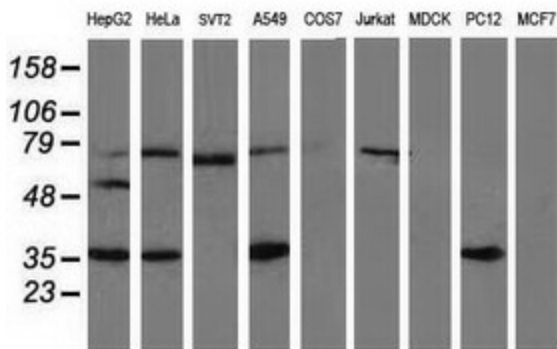
Product images:



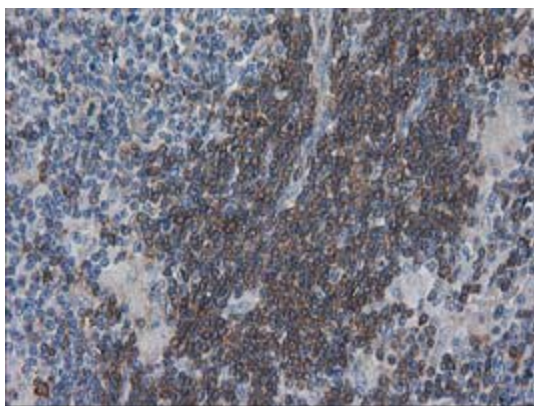
Anti-VASP mouse monoclonal antibody (TA502647) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY VASP ([RC203544]).



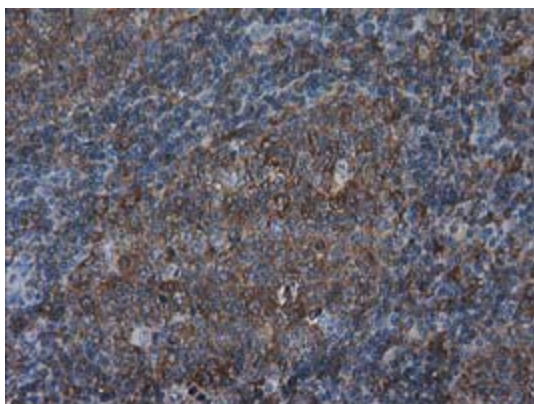
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY VASP ([RC203544], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VASP. Positive lysates [LY401150] (100ug) and [LC401150] (20ug) can be purchased separately from OriGene.



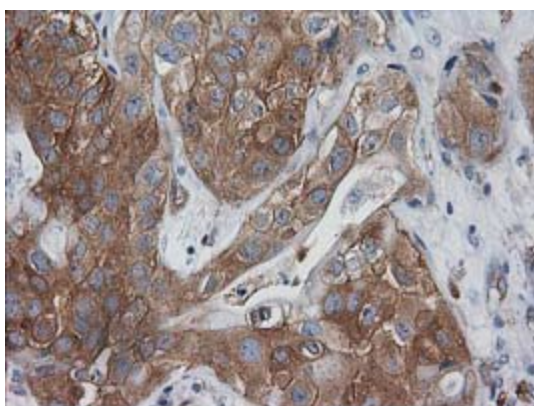
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-VASP monoclonal antibody.



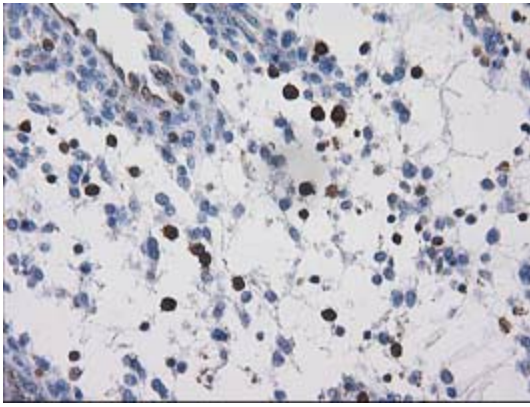
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502647)



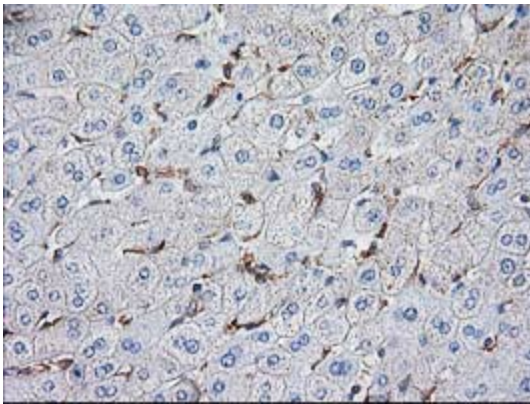
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502647)



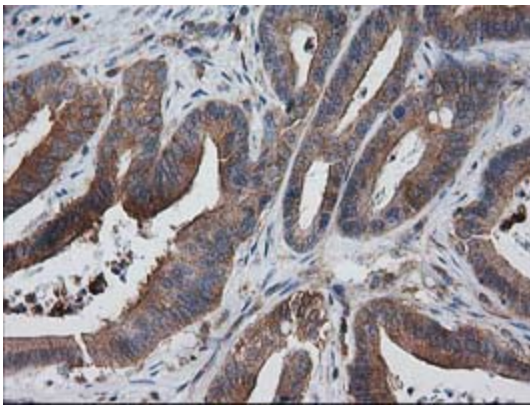
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502647)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502647)

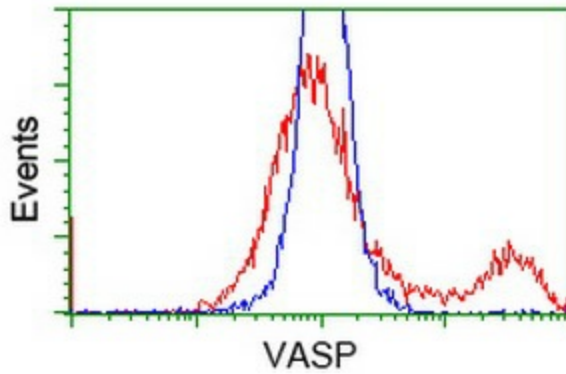


Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502647)

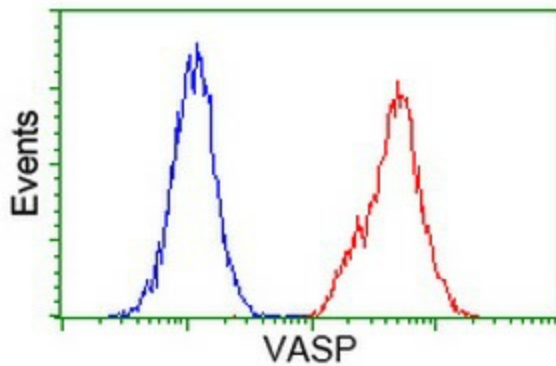


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502647)

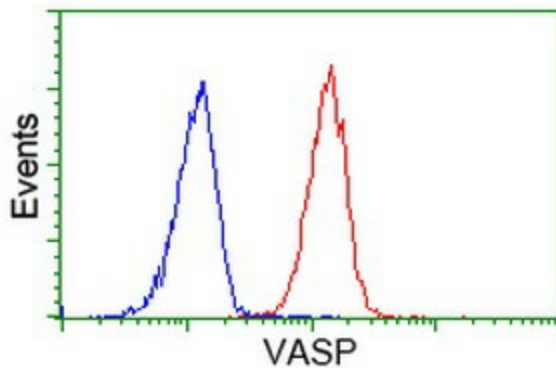




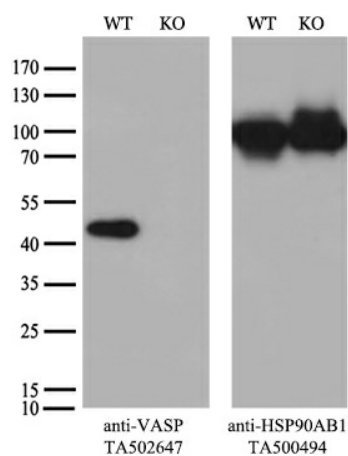
HEK293T cells transfected with either [RC203544] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-VASP antibody (TA502647), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-VASP antibody (TA502647), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).



Flow cytometric Analysis of HeLa cells, using anti-VASP antibody (TA502647), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and VASP-Knockout HeLa cells (KO, Cat# [LC832038]) were separated by SDS-PAGE and immunoblotted with anti-VASP monoclonal antibody TA502647 (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.