

## Product datasheet for **TA502491BM**

### VASP Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1F3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F3
Applications:	IHC, WB
Recommended Dilution:	WB 1:200~500, IHC 1:150
Reactivity:	Human, Dog, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human VASP (NP_003361) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	vasodilator stimulated phosphoprotein
Database Link:	<a href="#">NP_003361</a> <a href="#">Entrez Gene 22323 Mouse</a> <a href="#">Entrez Gene 361517 Rat</a> <a href="#">Entrez Gene 403936 Dog</a> <a href="#">Entrez Gene 7408 Human</a> <a href="#">P50552</a>



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**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:**

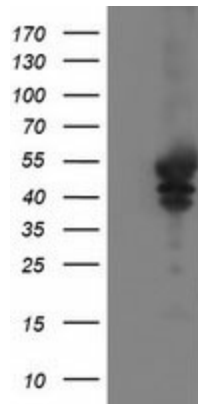
vasodilator-stimulated phosphoprotein

**Protein Families:**

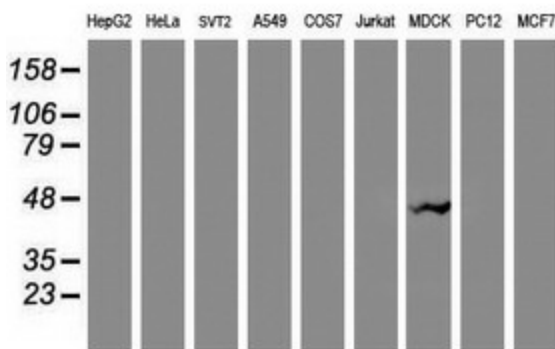
Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:**

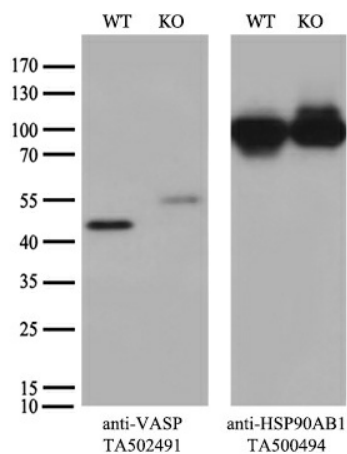
Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration

**Product images:**


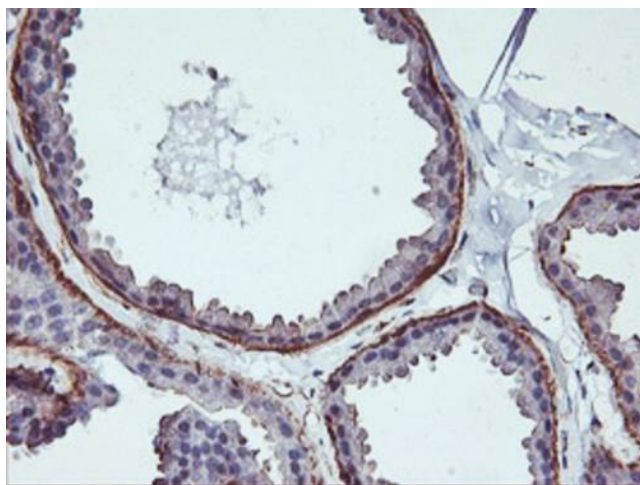
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY VASP ([RC203544], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VASP. Positive lysates [LY401150] (100ug) and [LC401150]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



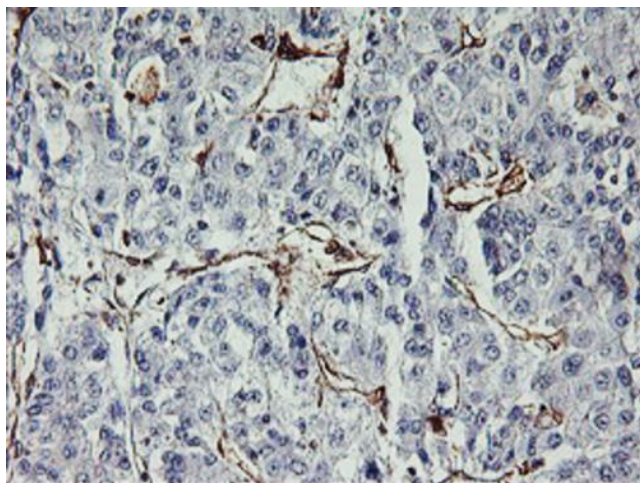
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-VASP monoclonal antibody.



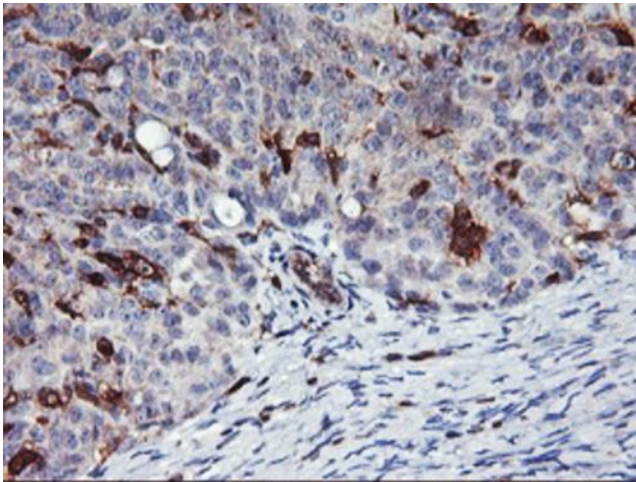
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and VASP-Knockout HeLa cells (KO, Cat# [LC832038]) were separated by SDS-PAGE and immunoblotted with anti-VASP monoclonal antibody [TA502491] (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



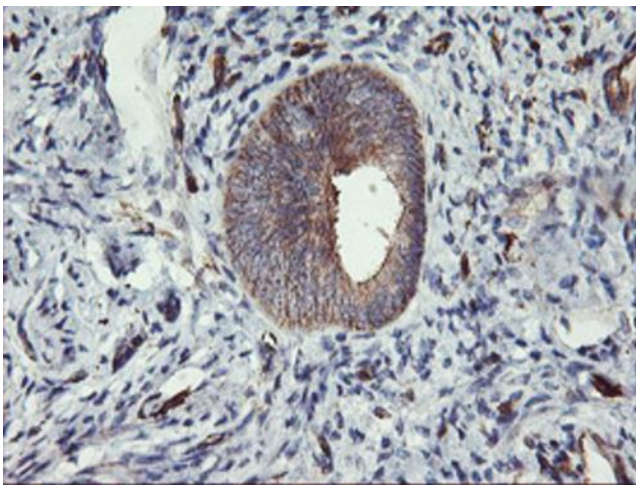
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



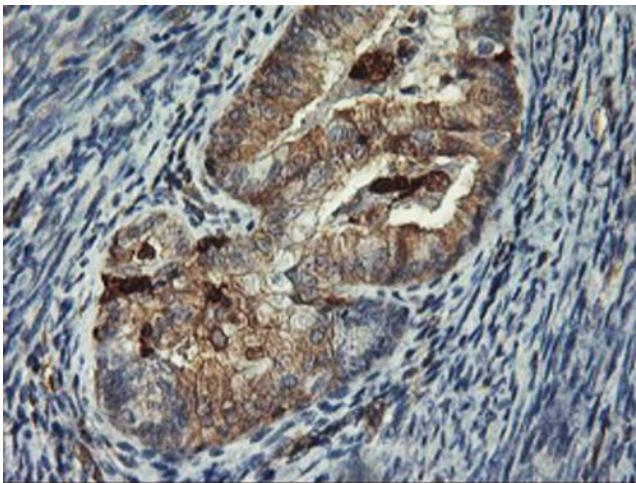
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



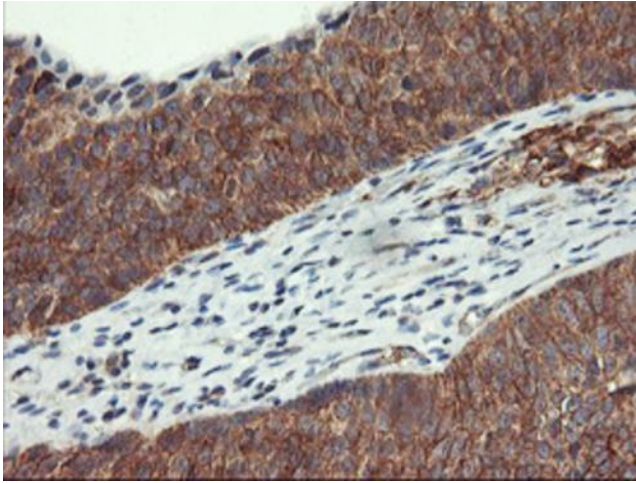
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



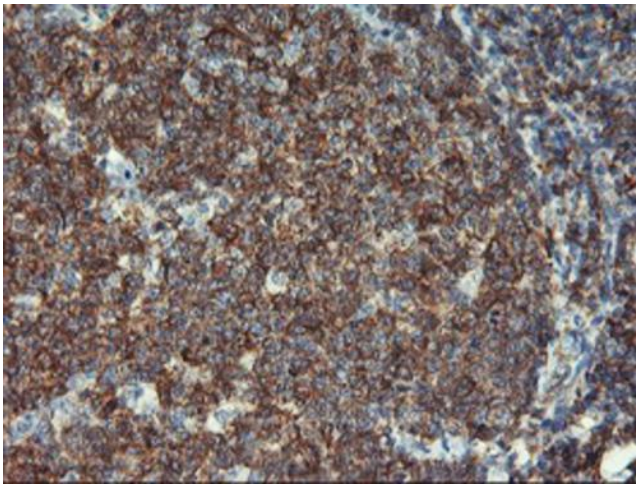
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



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, [TA502491])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])