

Product datasheet for **TA502491AM**

VASP Mouse Monoclonal Antibody (Biotin 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 and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | vasodilator stimulated phosphoprotein |
| Database Link: | NP_003361 Entrez Gene 22323 Mouse Entrez Gene 361517 Rat Entrez Gene 403936 Dog Entrez Gene 7408 Human P50552 |



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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:

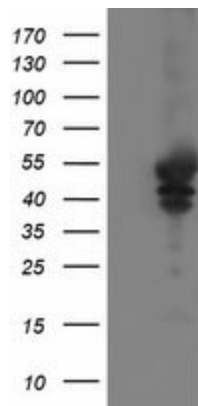
vasodilator-stimulated phosphoprotein

Protein Families:

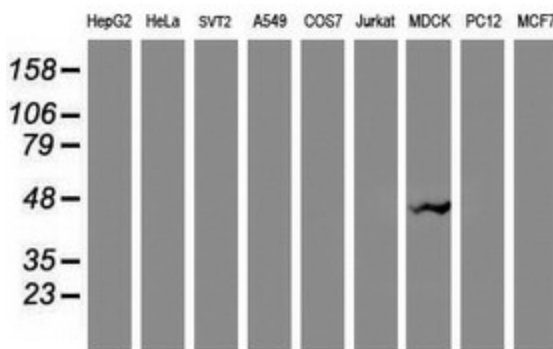
Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

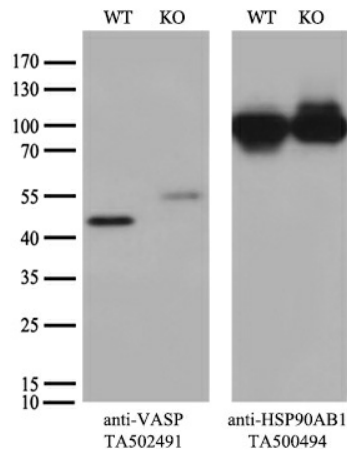
Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration

Product images:


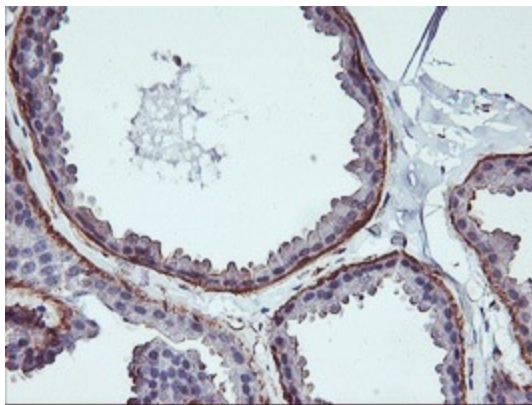
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY VASP ([RC203544], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VASP. Positive lysates [LY401150] (100ug) and [LC401150]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



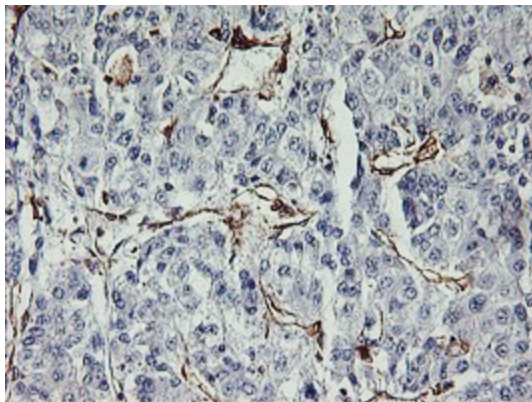
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-VASP monoclonal antibody.



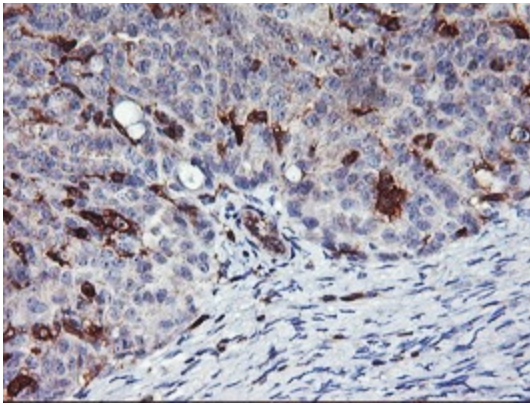
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and VASP-Knockout HeLa cells (KO, Cat# [LC832038]) were separated by SDS-PAGE and immunoblotted with anti-VASP monoclonal antibody [TA502491] (1:500). Then the blotted membrane was stripped and reprobed with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



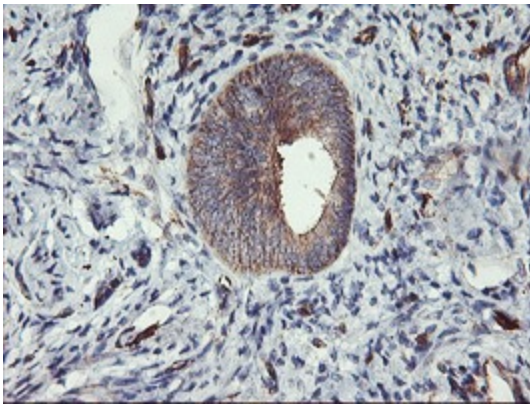
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



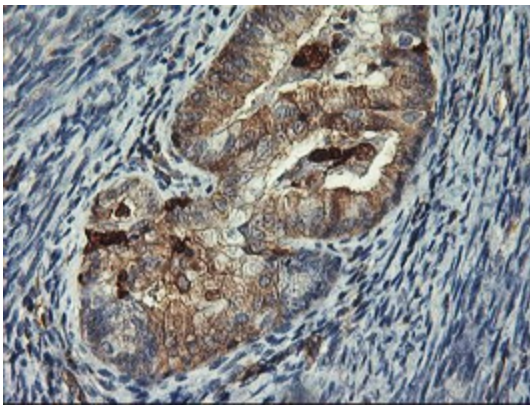
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



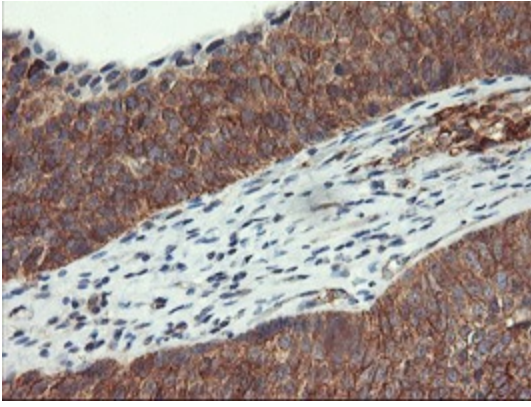
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



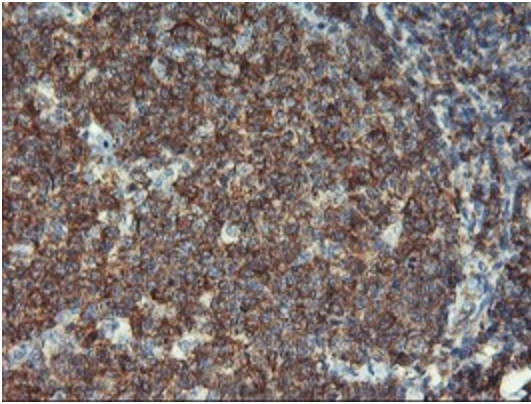
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-VASP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502491])



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])