

Rabbit VASP Polyclonal Antibody | anti-VASP antibody

Anti-VASP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46714	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

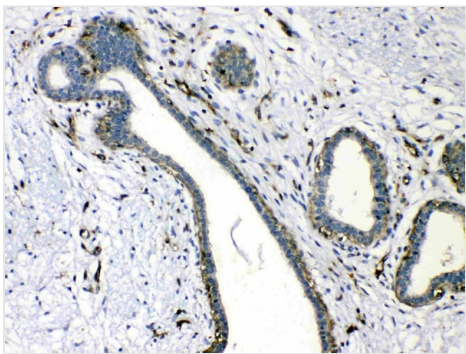
PRODUCT SYNONYMS

VASP; Polyclonal Antibody; Anti-VASP Antibody; P50552; Vasodilator-stimulated phosphoprotein; anti-VASP antibody

PRODUCT SPECIFICATIONS

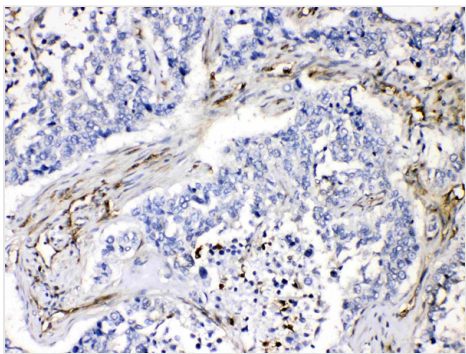
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	380
Applicable Applications for anti-VASP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human VASP (78-114aa NFHQWRDARQVWGLNFGSKEDAAQFAAGMASALEALE), different from the related mouse sequence by four amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



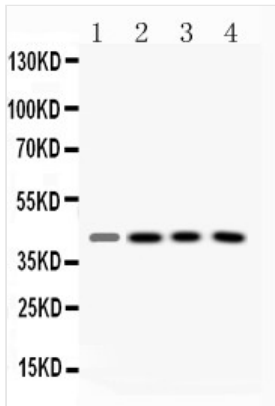
IHC (Immunohistochemisry)

VASP was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- VASP Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)

VASP was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- VASP Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of VASP expression in rat liver extract (lane 1), mouse kidney extract (lane 2), HELA whole cell lysates (lane 3) and HEPG2 whole cell lysates (lane 4). VASP at 40KD was detected using rabbit anti- VASP Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-VASP antibody	Rabbit IgG polyclonal antibody for Vasodilator-stimulated phosphoprotein(VASP) detection. 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.
References	1. Zimmer M, Fink T, Fischer L, Hauser W, Scherer K, Lichter P, Walter U (January 1997). "Cloning of the VASP (vasodilator-stimulated phosphoprotein) genes in human and mouse: structure, sequence, and chromosomal localization". Genomics. 36 (2): 227-33. 2. Harbeck, B; Hüttelmaier S; Schluter K; Jockusch B M; Illenberger S (October 2000). "Phosphorylation of the vasodilator-stimulated phosphoprotein regulates its interaction with actin". J. Biol. Chem. UNITED STATES.275 (40): 30817-25. 3. Reinhard, M; Giehl K; Abel K; Haffner C; Jarchau T; Hoppe V; Jockusch B M; Walter U (April 1995). "The proline-rich focal adhesion and microfilament protein VASP is a ligand for profilins". EMBO J. ENGLAND.14 (8): 1583-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507869
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NCBI GeneID	7408
NCBI Accession #	NP_003361.1
NCBI GenBank Nucleotide #	NM_003370.3
UniProt Accession #	P50552; Q6PIZ1; Q93035; B2RBT9
Molecular Weight	39,830 Da
NCBI Official Full Name	vasodilator-stimulated phosphoprotein
NCBI Official Synonym Full Names	vasodilator-stimulated phosphoprotein
NCBI Official Symbol	VASP
NCBI Protein Information	vasodilator-stimulated phosphoprotein
UniProt Protein Name	Vasodilator-stimulated phosphoprotein
UniProt Gene Name	VASP
UniProt Synonym Gene Names	VASP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vasp-antibody-immunohistochemistry-western-blot-elisa/46714>