

Datasheet for ABIN4886759
anti-VASP antibody (N-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	VASP
Binding Specificity:	AA 78-114, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Vasodilator-stimulated phosphoprotein(VASP) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Sequence:	NFHQWRDARQ VWGLNFGSKE DAAQFAAGMA SALEALE
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Vasodilator-stimulated phosphoprotein(VASP) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: vasodilator-stimulated phosphoprotein Protein Name: Vasodilator-stimulated phosphoprotein

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: VASP

Alternative Name: VASP ([VASP Products](#))

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.

Synonyms: VASP | P50552

Gene ID: 7408

UniProt: [P50552](#)

Pathways: [TCR Signaling](#), [Regulation of Actin Filament Polymerization](#), [Tube Formation](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

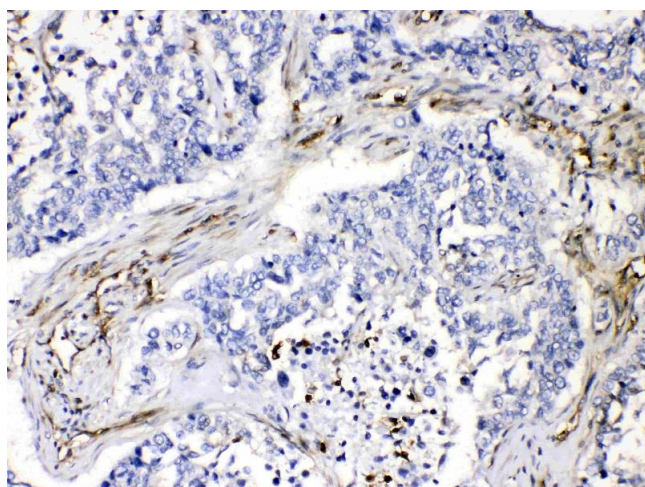
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

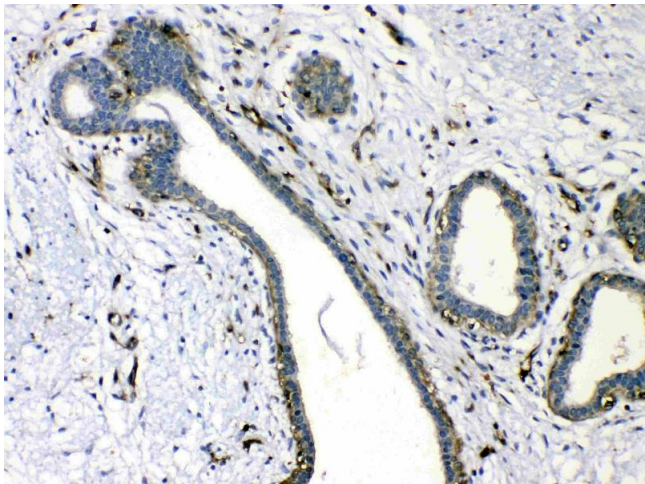
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



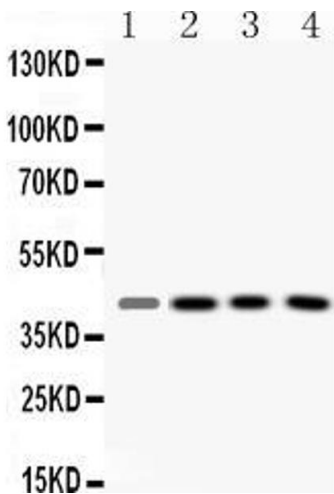
Immunohistochemistry

Image 1. VASP was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- VASP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. VASP was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- VASP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 3. 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 (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).