

Rabbit anti-Human VASP Polyclonal Antibody | anti-VASP antibody

Anti-VASP Antibody, Rabbit Polyclonal

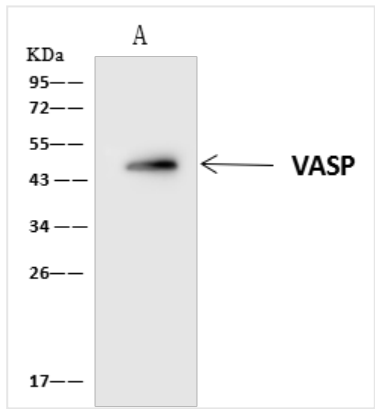
CATALOG # AAA256618	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

VASP; Polyclonal Antibody; Anti-VASP Antibody; Rabbit Polyclonal; VASP Antibody; Rabbit PAb; Antigen Affinity Purified; vasodilator-stimulated phosphoprotein; anti-VASP antibody

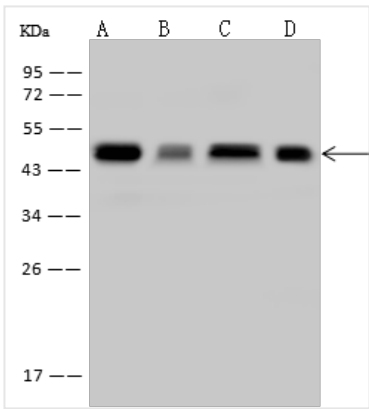
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human VASP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-VASP antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human VASP fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human VASP fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

VASP was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-VASP rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-VASP rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 39 kDa. Observed band size: 45 kDa.



WB (Western Blot)

Anti-VASP rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: 293T Whole Cell Lysate. Lane C: Jurkat Whole Cell Lysate. Lane D: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 39 kDa. Observed band size: 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-VASP antibody	Vasodilator-stimulated phosphoprotein (VASP) is a member of actin regulatory proteins implicated in platelet adhesion. Ena/VASP proteins are conserved regulators of actin dynamics that have important roles in several physiological processes such as morphogenesis, axon guidance, endothelial barrier function, and cancer cell invasion and metastasis. Ena/VASP proteins act as actin polymerases that drive the processive elongation of filament barbed ends in membrane protrusions or at the surface of bacterial pathogens. Ena/VASP tetramers are processive actin elongation factors that localize to diverse F-actin networks composed of filaments bundled by different cross-linking proteins, such as filopodia (fascin), lamellipodia (fimbrin), and stress fibers (alpha-actinin). Also, phosphorylation of VASP is utilized for the assessment of platelet reactivity in patients treated with P2Y12 receptor antagonists, a class of antiplatelet agents.
Product Categories/Family for anti-VASP antibody	Actin Dynamics Signaling Pathway
References	Ito Y, et al. (2018) Vasodilator-stimulated phosphoprotein (vasp) is not a major mediator of platelet aggregation, thrombogenesis, haemostasis, and antiplatelet effect of prasugrel in rats. Sci Rep 8 (1): 9955. Harker AJ, et al. (2019) Ena/vasp processive elongation is modulated by avidity on actin filaments bundled by the filopodia cross-linker fascin. Mol Biol Cell 30 (7): 851-862. Gau D, et al. (2019) The vasp-profilin1 (pfn1) interaction is critical for efficient cell migration and is regulated by cell-substrate adhesion in a pka-dependent manner. J Biol Chem 294 (17): 6972-6985. Estin ML, et al. (2017) Ena/vasp proteins regulate activated t-cell trafficking by promoting diapedesis during transendothelial migration. Proc Natl Acad Sci U S A 114 (14): E2901-e2910.

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.