VASP polyclonal antibody (affinity purified)

VASP (vasodilator stimulated phosphoprotein) is a proline-rich protein substrate of cAMP- and cGMP-dependent protein kinases. Phosphorylation of VASP at Ser-157 causes a mobility shift in SDS gel electrophoresis from 46 to 50 kDa, which has been used as a convenient marker to monitor cyclic nucleotide-dependent protein kinase activity. VASP is the founding member of the Ena-VASP protein family, comprising the Drosophila protein Enabled (Ena), its mouse homologue Mena (mammalian Enabled), and mouse EVL (Ena-VASP-like protein). With these proteins VASP shares a conserved overall domain organization:
a) the conserved N-terminal Ena-VASP homology domain 1 (EVH1), which mediates binding to a proline-rich motif
b) a more divergent proline-rich central domain (which is responsible for profilin binding)
c) a conserved C-terminal EVH2 domain.

VASP is expressed in a variety of mammalian cell types and tissues. In cultured cells, VASP is associated with focal adhesions, cell-cell contacts, microfilaments, and highly dynamic membrane regions. From in vitro binding data VASP has been suggested to link profilin to zyxin, vinculin, and the Listeria spp. surface protein ActA, respectively. Functional evidence indicates that VASP is a crucial factor involved in the enhancement of actin filament formation and the actin-dependent motility of intracellular bacterial pathogens.

This antibody is covered by our Worry-Free Guarantee.

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ALX-210-8800	25µg

Manuals, SDS & CofA View Online »

Handling & Storage

Short Term Storage	+4°C
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Vasodilator stimulated phosphoprotein (affinity purified)
Application	ICC, IP, WB
Formulation	Liquid. In PBS containing 1mg/ml BSA and 0.02% sodium azide.
Host	Rabbit
Immunogen	Recombinant human VASP.
Purity Detail	Affinity purified.
Recommendation Dilutions/Conditions	Immunocytochemistry (formaldehyde fixed cells, 1µg/ml, Immunoprecipitation (2µg/ml)Western Blot (0.1µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human, Mouse, Porcine
Specificity	Detects both the 46kDa (Ser^{157} dephospho) and 50kDa (Ser^{157} phospho) forms of VASP.
UniProt ID	P50552
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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Last modified: May 29, 2024

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