VASP monoclonal antibody (IE273)

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:

1. the conserved N-terminal Ena-VASP homology domain 1 (EVH1), which mediates binding to a proline-rich motif,
2. a more divergent proline-rich central domain (which is responsible for profilin binding), and
3. a conserved C-terminal EVH2 domain.

Particularly high VASP levels are present in platelets, although VASP is expressed in a wide variety of 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.

Citations: 7 View Online »

Ordering Information Order Online »

ALX-804-1770	50µg

Manuals, SDS & CofA View Online »

Handling & Storage

Handling	Avoid freeze/thaw cycles.
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
Application	ICC, IP, WB
Clone	IE273
Formulation	Liquid. In PBS containing 2mg/ml BSA and 0.02% sodium azide.
Host	Mouse
Immunogen	Purified human VASP (vasodilator stimulated phosphoprotein).
Isotype	IgG1
Recommendation Dilutions/Conditions	Immunocytochemistry (1-5µg/ml)Western Blot (0.01-0.25µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Bovine, Human, Porcine, Rabbit
Specificity	Recognizes both the 46kDa (Ser^{157} dephospho-) and 50kDa (Ser^{157} phospho-) form of VASP.
UniProt ID	P50552
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.