VASP(Ab-157) Antibody

Catalog No: #21207

Package Size: #21207-1 50ul #21207-2 100ul #21207-4 25ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	VASP(Ab-157) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous level of total VASP protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.155~159 (R-V-S-N-A) derived from Human VASP.
Target Name	VASP
Accession No.	Swiss-Prot: P50552NCBI Protein: NP_003361.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

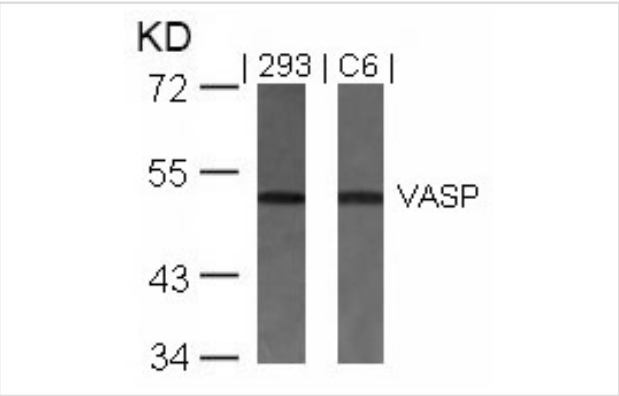
Application Details

Predicted MW: 50kd

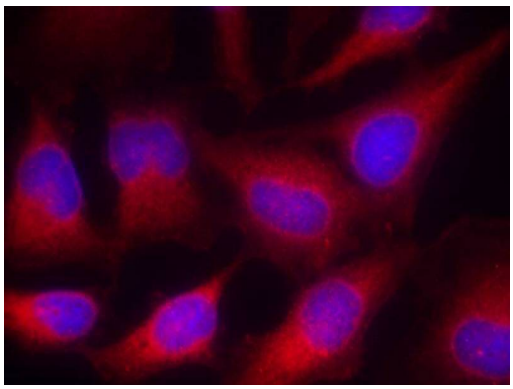
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from 293 and C6 cells using VASP(Ab-157) Antibody #21207.



Immunofluorescence staining of methanol-fixed Hela cells using VASP(Ab-157) Antibody #21207.

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.

Zhao WM, et al. (2001) EMBO J 20(9): 2315-2325.
Millard TH, et al. (2005) EMBO J 24(2): 240-250.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.