

35-1545: Polyclonal Antibody to VASP (Ab-157)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human,Rat
Gene :	VASP
Gene ID :	7408
Uniprot ID :	P50552
Format :	Purified
Alternative Name :	VASP
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.155~159 (R-V-S-N-A) derived from Human VASP.

Description

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. K

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 50kd, Western blotting: 1:500~1:1000, Immunofluorescence: 1:100~1:200

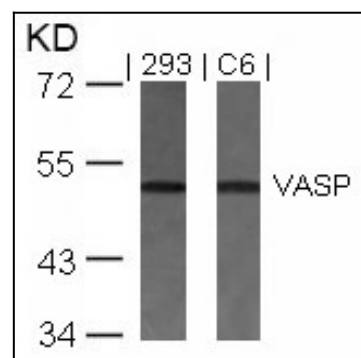


Figure 1: Western blot analysis of extracts from 293 and C6 cells using VASP(Ab-157) Antibody 35-1545 .

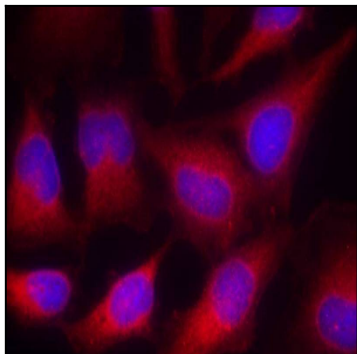


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using VASP(Ab-157) Antibody 35-1545 .