

VASP Antibody (Ser157)
Rabbit Polyclonal Antibody
Catalog # ALS13267**Specification**

VASP Antibody (Ser157) - Product Information

Application	WB, IHC
Primary Accession	P50552
Reactivity	Human, Mouse, Rat, Monkey, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa

VASP Antibody (Ser157) - Additional Information**Gene ID** 7408**Other Names**

Vasodilator-stimulated phosphoprotein, VASP, VASP

Target/Specificity

endogenous levels of total VASP protein

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

VASP Antibody (Ser157) is for research use only and not for use in diagnostic or therapeutic procedures.

VASP Antibody (Ser157) - Protein Information**Name** VASP**Function**

Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance, lamellipodial and filopodial dynamics, platelet activation and cell migration. VASP promotes actin filament elongation. It protects the barbed end of growing actin filaments against capping and increases the rate of actin polymerization in the presence of capping protein. VASP stimulates actin filament elongation by promoting the transfer of profilin-bound actin monomers onto the barbed end of growing actin filaments. Plays a role in actin-based mobility of *Listeria monocytogenes* in host cells. Regulates actin dynamics in platelets and plays an important role in regulating platelet aggregation.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Cell junction, tight junction Cell projection, lamellipodium membrane. Cell projection, filopodium membrane. Note=Targeted to stress fibers and focal adhesions through interaction with a number of proteins including MRL

family members Localizes to the plasma membrane in protruding lamellipodia and filopodial tips. Stimulation by thrombin or PMA, also translocates VASP to focal adhesions. Localized along the sides of actin filaments throughout the peripheral cytoplasm under basal conditions. In pre-apoptotic cells, colocalizes with MEFV in large specks (pyroptosomes)

Tissue Location

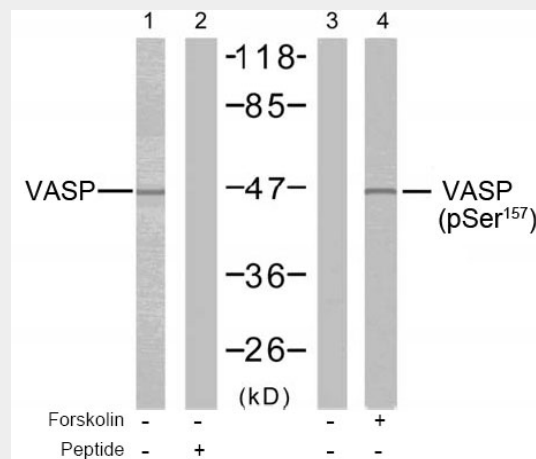
Highly expressed in platelets.

VASP Antibody (Ser157) - Protocols

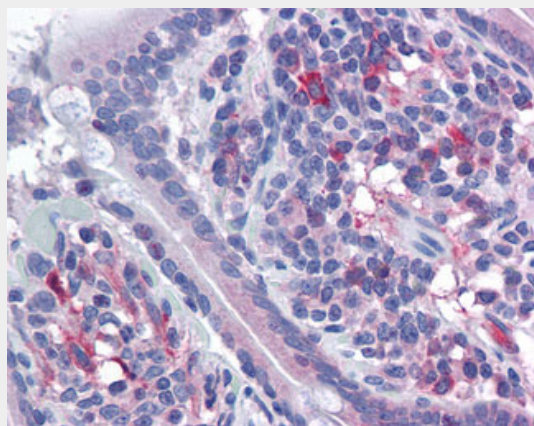
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VASP Antibody (Ser157) - Images



Western blot of extract from NIH/3T3 cells untreated or treated with forskolin (40 uM, 30 min),...



Anti-VASP antibody IHC of human small intestine.

VASP Antibody (Ser157) - Background

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VASP Antibody (Ser157) - References

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Laurent V.,et al.J. Cell Biol. 144:1245-1258(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).