

# VASP (phospho Ser157) Polyclonal Antibody

**Catalog # AP67549** 

## **Specification**

# VASP (phospho Ser157) Polyclonal Antibody - Product Information

Application WB
Primary Accession P50552

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

# VASP (phospho Ser157) Polyclonal Antibody - Additional Information

**Gene ID 7408** 

#### **Other Names**

VASP; Vasodilator-stimulated phosphoprotein; VASP

#### Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

# **Storage Conditions**

-20°C

### VASP (phospho Ser157) Polyclonal Antibody - 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 preapoptotic cells, colocalizes with MEFV in large specks (pyroptosomes)

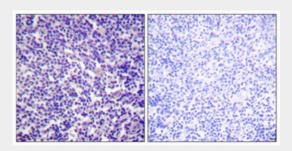
**Tissue Location**Highly expressed in platelets.

# VASP (phospho Ser157) Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# VASP (phospho Ser157) Polyclonal Antibody - Images



# VASP (phospho Ser157) Polyclonal Antibody - Background

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