

Phospho-VASP (S156) Antibody

Rabbit mAb Catalog # AP93253

Specification

Phospho-VASP (S156) Antibody - Product Information

Application WB, IHC
Primary Accession P50552
Clonality Monoclonal

Other Names

Vasodilator stimulated phosphoprotein; VASP;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 39830 Da

Phospho-VASP (S156) Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

Phospho-VASP (S156)

Description 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.

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

Phospho-VASP (S156) Antibody - Protein Information

Name VASP

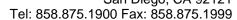
Storage Condition and Buffer

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.

Phospho-VASP (S156) Antibody - Protocols

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

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

Phospho-VASP (S156) Antibody - Images