

KD-Validated Anti-Vasodilator stimulated phosphoprotein Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1470

Product Information

Application	WB, FC, ICC
Primary Accession	P50552
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4715
Calculated MW	39830
Gene Name	VASP
Aliases	VASP; Vasodilator Stimulated Phosphoprotein; Vasodilator-Stimulated Phosphoprotein
Immunogen	A synthesized peptide derived from human VASP

Additional Information

Gene ID	7408
Other Names	Vasodilator-stimulated phosphoprotein, VASP, VASP

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 <i>Listeria monocytogenes</i> 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.

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