

For Research Use Only

VASP Recombinant monoclonal antibody, PBS Only

Catalog Number: 87104-3-PBS



Basic Information

Catalog Number: 87104-3-PBS	GenBank Accession Number: BC038224	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7408	CloneNo.: 252207G2
Isotype: IgG	UNIPROT ID: P50552	
	Full Name: vasodilator-stimulated phosphoprotein	
	Calculated MW: 380 aa, 40 kDa	
	Observed MW: ~ 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

VASP belongs to the Ena/VASP family. 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. VASP 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. Human platelet activation is inhibited by agents such as prostaglandins and NO donors, which elevate cAMP or cGMP levels. VASP is phosphorylated in human platelets in response to both cAMP- and cGMP-elevating agents, and its phosphorylation correlates with platelet inhibition.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

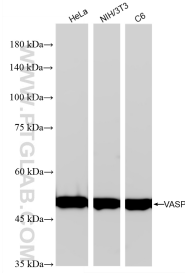
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87104-3-RR (Phospho-VASP(Ser239) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87104-3-PBS in a different storage buffer formulation.