

For Research Use Only

VASP Monoclonal antibody

Catalog Number: 68431-1-Ig



Basic Information

Catalog Number: 68431-1-Ig	GenBank Accession Number: BC038224	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7408	CloneNo.: 1B9A11
Source: Mouse	UNIPROT ID: P50552	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: vasodilator-stimulated phosphoprotein	
Immunogen Catalog Number: AG17679	Calculated MW: 380 aa, 40 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells, A549 cells, A431 cells, MCF-7 cells, HeLa cells, K-562 cells
Species Specificity: Human	

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. VASP is located about 92 kb distal to ERCC1 (126380) and about 300 kb proximal to the myotonic dystrophy protein kinase gene. The antibody is specific to VASP.

Storage

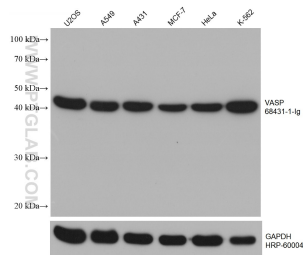
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68431-1-Ig (VASP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.