Product Datasheet

VASP(Phospho-Ser157) Antibody

Catalog No: #11214

Package Size: #11214-1 50ul #11214-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	VASP(Phospho-Ser157) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous level of VASP only when phosphorylated at serine 157.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 157 (R-V-S(p)-N-A) derived from Human VASP.
Target Name	VASP
Modification	Phospho
Accession No.	Swiss-Prot: P50552NCBI Protein: NP_003361.1
Uniprot	P50552
GeneID	7408;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

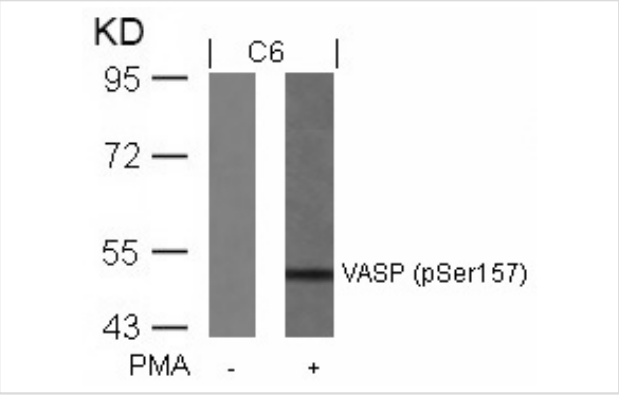
Application Details

Predicted MW: 50kd

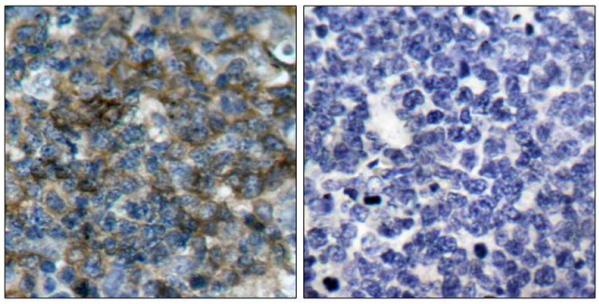
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from C6 cells untreated or treated with PMA using VASP(Phospho-Ser157) Antibody #11214.



Immunohistochemical analysis of paraffin-embedded human tonsil carcinoma tissue using VASP(Phospho-Ser157) Antibody #11214(left) or the same antibody preincubated with blocking peptide(right).

Background

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.

Zhao WM, et al. (2001) EMBO J 20(9): 2315-2325.
Millard TH, et al. (2005) EMBO J 24(2): 240-250.

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Note: This product is for in vitro research use only