ELK Biotechnology

VASP (phospho Ser157) rabbit pAb

Cat No.:ES7481

For research use only

Overview

Product Name	VASP (phospho Ser157) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human VASP (phospho Ser157)
Specificity	Phospho-VASP (S157) Polyclonal Antibody detects endogenous levels of VASP protein only when phosphorylated at S157.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Vasodilator-stimulated phosphoprotein
Gene Name	VASP
Cellular localization	Cytoplasm. Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Cell junction, tight junction . Cell projection, lamellipodium membrane. Cell projection, filopodium membrane. Targeted to stress fibers and focal adhesions through interaction with a numb
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	39 46kD
Human Gene ID	7408
Human Swiss-Prot Number	P50552
Alternative Names	VASP; Vasodilator-stimulated phosphoprotein; VASP

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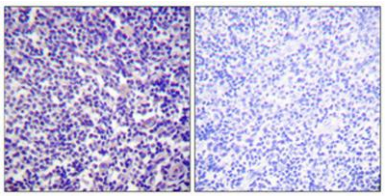
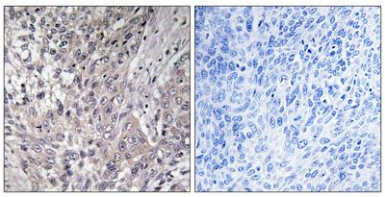
Background

Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. Ena-VASP family members contain an EHV1 N-terminal domain that binds proteins containing E/DFPPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the protein, family members have a proline-rich domain that binds SH3 and WW domain-containing proteins. Their C-terminal EVH2 domain mediates tetramerization and binds both G and F actin. VASP is associated with filamentous actin formation and likely plays a widespread role in cell adhesion and motility. VASP may also be involved in the intracellular signaling pathways that regulate integrin-extracellular matrix interactions. VASP is regulated by the cyclic nucleotide-dependent kinases PKA and PKG. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded Human tonsil. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by



Immunohistochemistry analysis of paraffin-embedded human breast cancer, using VASP (Phospho-Ser157) Antibody. The picture on the right is blocked with the VASP (Phospho-Ser157) peptide.

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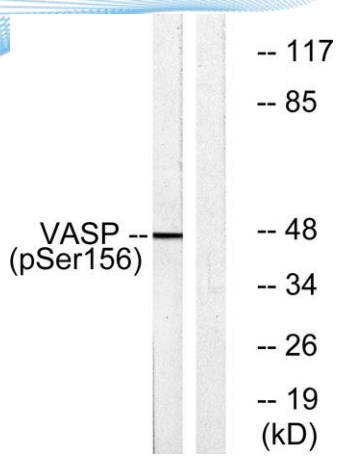

Western blot analysis of VASP (Phospho-Ser157) Antibody. The lane on the right is blocked with the VASP (Phospho-Ser157) peptide.

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