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Datasheet for ABIN7138440
anti-VASP antibody (pSer157)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | VASP |
| Binding Specificity: | pSer157 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This VASP antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

Product Details

| | |
|-------------------|--|
| Immunogen: | Peptide sequence around phosphorylation site of serine 157 (R-V-S(p)-N-A) derived from Human VASP. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| 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 chromatography using |

Target Details

| | |
|-------------------|--|
| Target: | VASP |
| Alternative Name: | VASP (VASP Products) |

Target Details

Background: 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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Aliases: Vasodilator stimulated phosphoprotein antibody, Vasodilator-stimulated phosphoprotein antibody, VASP antibody, VASP_HUMAN antibody

UniProt: [P50552](#)

Pathways: [TCR Signaling](#), [Regulation of Actin Filament Polymerization](#), [Tube Formation](#)

Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

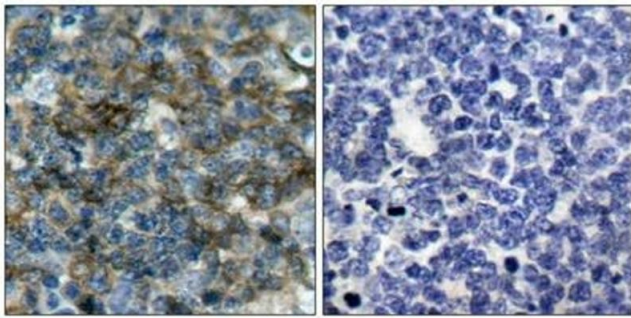
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

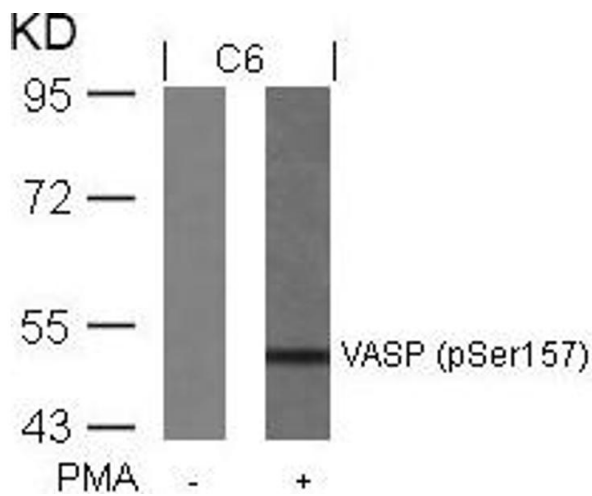
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human tonsil carcinoma tissue using VASP(Phospho-Ser157) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from C6 cells untreated or treated with PMA using VASP(Phospho-Ser157) Antibody.