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Datasheet for ABIN6136286
anti-VASP antibody (pSer157)

5 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), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S157 of human Phospho-VASP-S157 (NP_003361.1).
Sequence:	RVSNA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies

Target Details

Target:	VASP
Alternative Name:	VASP (VASP Products)

Target Details

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.,VASP,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Actins,Extracellular Matrix,Immunology & Inflammation,Protein phosphorylation,VASP

Molecular Weight: 39 kDa

Gene ID: 7408

UniProt: [P50552](#)

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

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100,IP,1:50 - 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

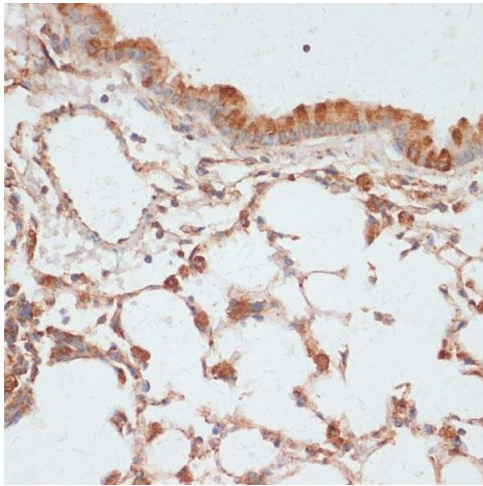
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

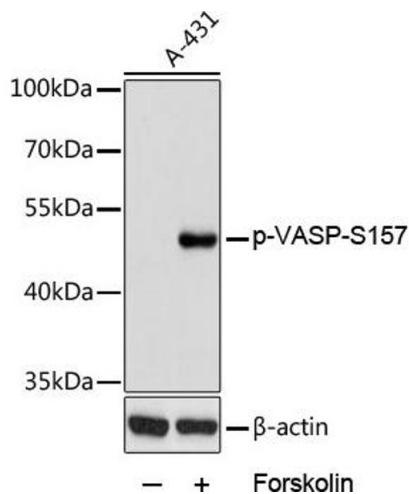
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



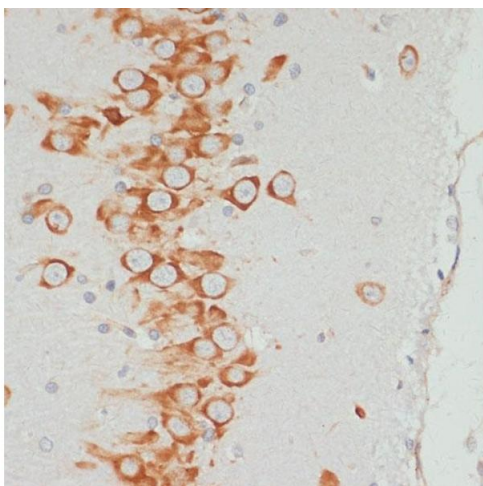
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse lung using Phospho-VASP-S157 antibody (ABIN6135335, ABIN6136286, ABIN6136287 and ABIN6225657) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of cells, using Phospho-VASP-S157 antibody (ABIN6135335, ABIN6136286, ABIN6136287 and ABIN6225657) at 1:2000 dilution. Cells were treated by Forskolin (10 μ M) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using Phospho-VASP-S157 antibody (ABIN6135335, ABIN6136286, ABIN6136287 and ABIN6225657) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6136286.