

Phospho-VASP-S157 Rabbit pAb

Catalog No.: AP0763

Basic Information

Observed MW

50kDa

Calculated MW

40kDa

Category

Primary antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:100

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

7408

Swiss Prot

P50552

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

VASP; Phospho-VASP-S157

Product Information

Source

Rabbit

Isotype

IgG

Purification

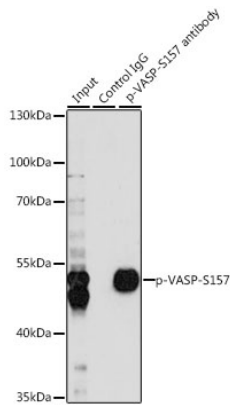
Affinity purification

Storage

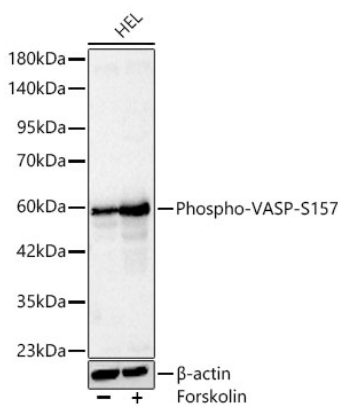
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

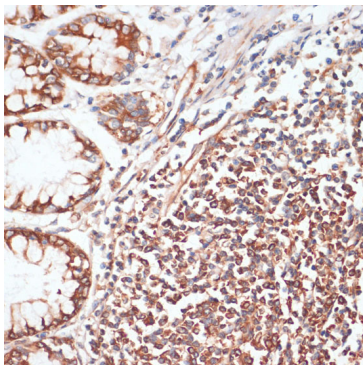
Validation Data



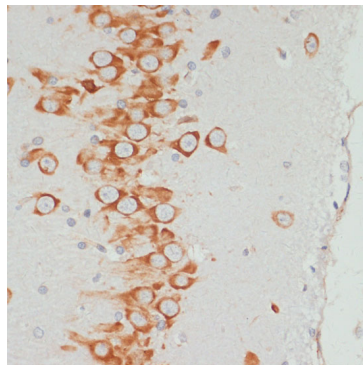
Immunoprecipitation analysis of 200 μ g extracts of A-431 cells, using 3 μ g Phospho-VASP-S157 pAb (AP0763). Western blot was performed from the immunoprecipitate using Phospho-VASP-S157 pAb (AP0763) at a dilution of 1:1000. A-431 cells were treated with Forskolin (10 μ M) at 37°C for 30 minutes after serum-starvation overnight.



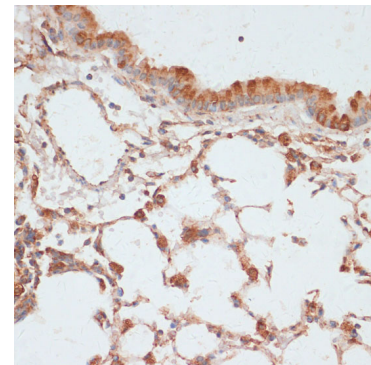
Western blot analysis of lysates from HEL cells using Phospho-VASP-S157 Rabbit pAb (AP0763) at 1:1000 dilution. HEL cells were treated with Forskolin (20 μ M) at 37°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 0.8s.



Immunohistochemistry analysis of paraffin-embedded Human colon using Phospho-VASP-S157 Rabbit pAb (AP0763) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Phospho-VASP-S157 Rabbit pAb (AP0763) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using Phospho-VASP-S157 Rabbit pAb (AP0763) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.