Anti-Phospho-VASP (Ser157) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108794

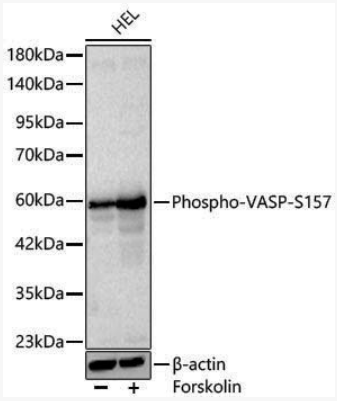
Product Information

Application	WB, IHC-P, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000; IHC-P 1:50~1:100; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S157 of human Phospho-VASP-S157 (NP_003361.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-VASP (Ser157) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

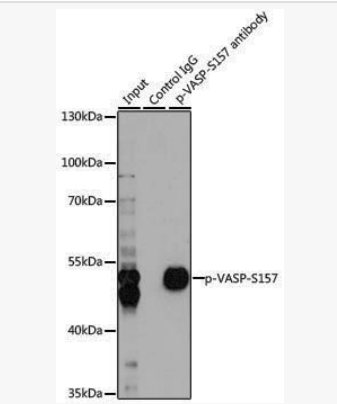
Protein Information

Synonyms	Phospho-VASP-S157.
Calculated MW	Calculated MW: 40 kDa; Observed MW: 50 kDa
Uniprot ID	P50552
Gene ID	7408
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.

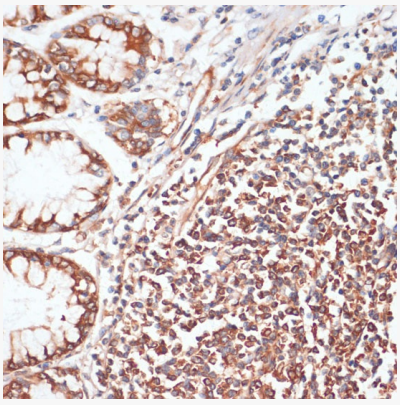
Validation Images



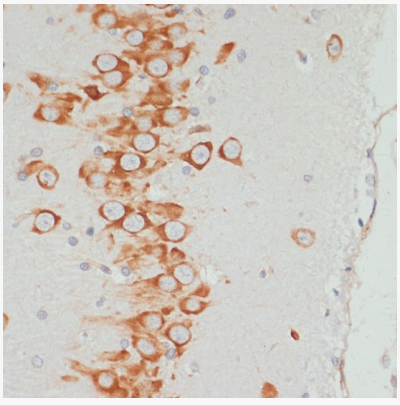
Western blot analysis of lysates from HEL cells using Phospho-VASP-S157 Rabbit pAb (P108794) at 1:1,000 dilution. HEL cells were treated by Forskolin (20 uM) at 37°C for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 0.8s.



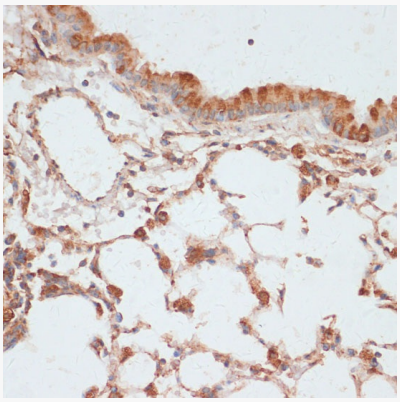
Immunoprecipitation analysis of 200 µg extracts of A-431 cells, using 3 µg Phospho-VASP-S157 pAb (P108794). Western blot was performed from the immunoprecipitate using Phospho-VASP-S157 pAb (P108794) at a dilution of 1:1000. A-431 cells were treated by Forskolin (10 uM) at 37°C for 30 minutes after serum-starvation overnight.



Immunohistochemistry analysis of paraffin-embedded Human colon using Phospho-VASP-S157 Rabbit pAb (P108794) at dilution of 1:100 (40× 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 (P108794) at dilution of 1:100 (40× 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 (P108794) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.