

Product datasheet for TA383199

VASP Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: IHC, IP, WB

Recommended Dilution: WB,1:500 - 1:2000

IHC,1:50 - 1:100 IP,1:50 - 1:100

Reactivity: Human, Mouse, Rat

Modifications: Phospho S157

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: A synthetic phosphorylated peptide around S157 of human Phospho-VASP-S157

(NP_003361.1).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

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

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 39kDa

Gene Name: vasodilator-stimulated phosphoprotein

Database Link: Entrez Gene 7408 Human

P50552



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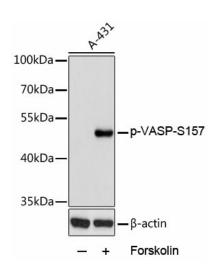


Background:

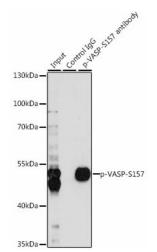
Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. Ena-VASP family members contain an EHV1 N-terminal domain that binds proteins containing E/DFPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the protein, family members have 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.

Synonyms: VASP

Product images:



Western blot analysis of extracts of A431 cells, using Phospho-VASP-S157 antibody (TA383199) at 1:2000 dilution. A431 cells were treated by Forskolin (10uM) for 30 minutes after serumstarvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 1s.



Immunoprecipitation analysis of 200ug extracts of A-431 cells, using 3 ug Phospho-VASP-S157 pAb (TA383199). Western blot was performed from the immunoprecipitate using Phospho-VASP-S157 pAb (TA383199) at a dilition of 1:1000. A-431 cells were treated by Forskolin (10 uM) at 37°C for 30 minutes after serum-starvation overnight.