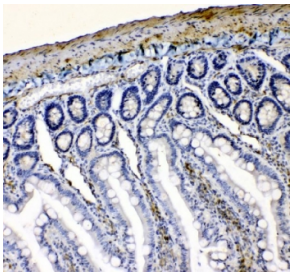
VASP Antibody / Vasodilator stimulated phosphoprotein (R32632)

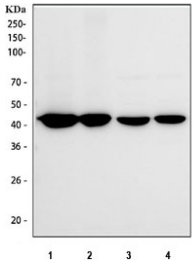
Catalog No.	Formulation	Size
R32632	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P50552
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This VASP antibody is available for research use only.



IHC staining of FFPE rat intestine tissue with VASP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEL, 2) RT4, 3) SiHa and 4) K562 cell lysate with VASP antibody. Expected molecular weight: ~40/46-50 kDa (unmodified/phosphorylated).

Description

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.

Application Notes

Optimal dilution of the VASP antibody should be determined by the researcher.

Immunogen

Amino acids 78-114 (NFHQWRDARQVWGLNFGSKEDAAQFAAGMASALEALE-human) were used as the immunogen for this VASP antibody.

Storage

After reconstitution, the VASP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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