

Product datasheet for **AP20692PU-M**

VASP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of VASP protein. (region surrounding Ala232)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 48 kDa
Gene Name:	vasodilator-stimulated phosphoprotein
Database Link:	<u>Entrez Gene 22323 Mouse</u> <u>Entrez Gene 361517 Rat</u> <u>Entrez Gene 7408 Human</u> <u>P50552</u>



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Background:

The Wiskott-Aldrich syndrome (WAS) is characterized by thrombocytopenia, eczema, defects in cell-mediated and humoral immunity and a propensity for lymphoproliferative diseases. The syndrome is the result of a mutation in the gene encoding a proline-rich protein termed WASP. WASP has been identified as a downstream effector of Cdc42 and has been implicated in Actin polymerization and cytoskeletal organization. A distantly related protein, VASP (vasodilator-stimulated phosphoprotein), is involved in the maintenance of cytoarchitecture by interacting with Actin-like filaments. VASP shares a limited degree of homology with the amino terminus of WASP, which is frequently mutated in WAS patients. An established substrate of cAMP and cGMP dependent kinases, VASP is phosphorylated on a regulatory serine residue 157 and localizes to focal adhesions, microfilaments and highly active regions of the plasma membrane. VASP is highly expressed in human platelets and, like WASP, may play a role in cytoskeletal organization.

Synonyms:

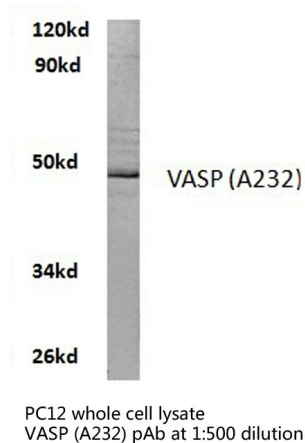
Vasodilator-stimulated phosphoprotein

Protein Families:

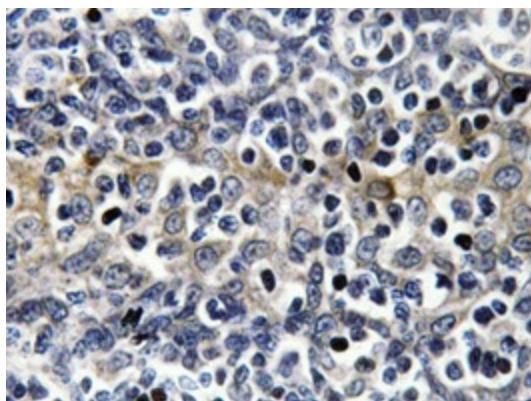
Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration

Product images:


Western blot (WB) analyzes of VASP antibody (Cat.-No.: [AP20692PU-N]) in extracts from PC12 cells.



Immunohistochemistry analyzes of VASP antibody (Cat.-No.: [AP20692PU-N]) in paraffin-embedded human tonsil tissue.