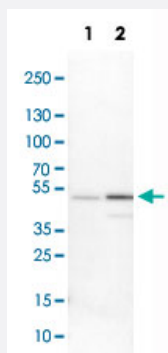


VASP polyclonal antibody

Catalog # PAB30746

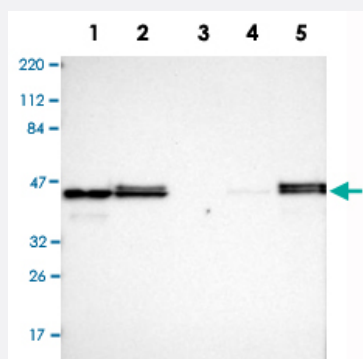
Size 100 uL

Applications



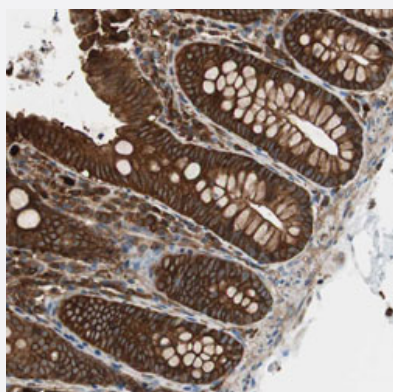
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with VASP polyclonal antibody (Cat # PAB30746).



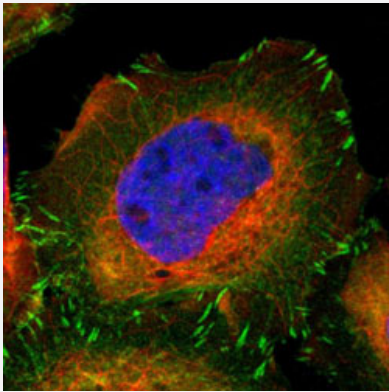
Western Blot

Western Blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: human plasma (IgG/HSA depleted), Lane 4: human liver and Lane 5: human tonsil lysates with VASP polyclonal antibody (Cat # PAB30746).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with VASP polyclonal antibody (Cat # PAB30746) shows strong cytoplasmic and membranous positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of A-431 cells with VASP polyclonal antibody (Cat # PAB30746) (Green) shows positivity in plasma membrane, cytoplasm and focal adhesion sites.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human VASP.
Immunogen	Recombinant protein corresponding to human VASP.
Sequence	PKAESGRSGGGGLMEEMNAMLARRRKATQVGEKTPKDESANQEEPEARVPAQSESVRRPWE KNSTTLPRMKSSSSVTSETQPCTPSSSDYDLQRVKQELLEEVKKELQKVK
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with VASP polyclonal antibody (Cat # PAB30746).

- Western Blot

Western Blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: human plasma (IgG/HSA depleted), Lane 4: human liver and Lane 5: human tonsil lysates with VASP polyclonal antibody (Cat # PAB30746).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with VASP polyclonal antibody (Cat # PAB30746) shows strong cytoplasmic and membranous positivity in glandular cells.

- Immunofluorescence

Immunofluorescent staining of A-431 cells with VASP polyclonal antibody (Cat # PAB30746) (Green) shows positivity in plasma membrane, cytoplasm and focal adhesion sites.

Gene Info — VASP

Entrez GeneID [7408](#)

Protein Accession# [P50552](#)

Gene Name VASP

Gene Alias -

Gene Description vasodilator-stimulated phosphoprotein

Omim ID [601703](#)

Gene Ontology [Hyperlink](#)

Gene Summary Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. En a-VASP family members contain an EHV1 N-terminal domain that binds proteins containing E/D FPPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the p rotein, family members have a proline-rich domain that binds SH3 and WW domain-containing pr oteins. Their C-terminal EVH2 domain mediates tetramerization and binds both G and F actin. V ASP is associated with filamentous actin formation and likely plays a widespread role in cell adhe sion and motility. VASP may also be involved in the intracellular signaling pathways that regulate i ntegrin-extracellular matrix interactions. VASP is regulated by the cyclic nucleotide-dependent kin ases PKA and PKG. [provided by RefSeq

Other Designations -

Pathway

- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)