

# VASP Polyclonal Antibody

<b>CATALOG #:</b>	3718-30T      30 µg (Trial size) 3718-100      100 µg
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 371 of human VASP (Internal ID# BV-867).
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat

**FORMULATION:**

0.5 mg/ml affinity purified rabbit polyclonal antibody in 1X phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**STORAGE CONDITIONS:**

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

**BACKGROUND:**

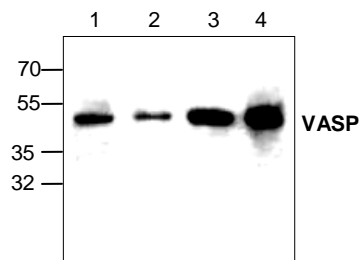
Vasodilator-stimulated phosphoprotein (VASP) belongs to the Ena/VASP family of adaptor proteins linking the cytoskeletal system to the signal transduction pathways. VASP functions in cytoskeletal organization, fibroblast migration, platelet activation and axon guidance. Three phosphorylation sites, Ser157, Ser239 and Thr278, have been identified. Evidence suggests that VASP phosphorylation reduces its association with actin and has a negative effect on actin polymerization.

**SPECIFICITY:**

The antibody recognizes ~46 kDa VASP from samples of human, mouse, and rat origins. Reactivity to other species has not been tested. Blocking peptide (Cat.# 3718BP-50) is available separately.

**APPLICATION:**

The antibody can be used in Western blotting (0.5-4 µg/ml) and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been determined.

**Cat. #:3718-100**

Western blot analysis of VASP in lysates from Jurkat cells (Lane 1, 2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

**RELATED PRODUCTS:**

- VASP Blocking peptide (**Cat. No 3718BP-50**)
- Phospho-VASP Antibody (**Cat. No 3719-100**)

FOR RESEARCH USE ONLY. Not to be used on humans.