**Product datasheet for AP02440PU-N**

**VASP pSer239 Rabbit Polyclonal Antibody**

**Product data:**

- **Product Type:** Primary Antibodies
- **Applications:** IHC, WB
- **Recommend Dilution:** Suitable for use in Western blot (1/500–1/1000) and Immunohistochemistry (1/50–1/100).
- **Reactivity:** Human, Mouse
- **Host:** Rabbit
- **Clonality:** Polyclonal
- **Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from Human VASP around the phosphorylation site of Serine 239 (K-V-Sp-K-Q).
- **Specificity:** The antibody was affinity-purified from rabbit antiserum by Affinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. VASP (phospho-Ser239) antibody detects endogenous levels of VASP only when phosphorylated at Serine 239.
- **Formulation:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
- **State:** Aff - Purified
- **State:** Liquid purified Ig fraction.
- **Concentration:** lot specific
- **Purification:** Immunoaffinity Chromatography.
- **Storage:** Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
- **Stability:** Shelf life: One year from despatch.
- **Database Link:** Entrez Gene 7408 Human
- **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/DFPPPXXD/E motifs and targets Ena-VASP proteins to focal adhesions. 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:** Vasodilator-stimulated phosphoprotein
Figure 2. Western blot analysis of extract from NIH/3T3 cells untreated or treated with forskolin (40 μM, 30 min), using VASP antibody (Line 1 and 2) and VASP (phospho-Ser239) antibody (Line 3 and 4).

Figure 1. Immunohistochemical analysis of paraffin-embedded human tonsil carcinoma tissue, using VASP (phospho-Ser239) antibody.