Bioworld Technology CO., Ltd.

p-WAVE1 (Y125) Peptide

Cat No.: BS4370P

Background

WASP (for Wiskott-Aldrich syndrome protein) and N-WASP are downstream effectors of Cdc42 that are implicated in actin polymerization and cytoskeletal organization. The WASP family also includes VASP (vasodilator-stimulated phosphoprotein) and Mena (for mammalian enabled protein), which accumulate at focal adhesions and are also involved in the regulation of the actin cytoskeleton. The WAVE proteins are related to the WASP family proteins and are likewise involved in mediating actin reorganization downstream of the Rho family of small GTPases. The two protein homologs WAVE1 and WAVE2 specifically regulate membrane ruffling by inducing the formation of actin filament clusters in response to GTP binding and activating Rac. The WAVE proteins mediate this actin polymerization by cooperating with the Arp2/3 complex, a nucleation core, and thereby promoting the formation of actin filaments. WAVE1, which is also designated SCAR (for suppressor of cAR), is expressed primarily in the brain, while WAVE2 is widely expressed with the expression highest in peripheral blood leukocytes.

Swiss-Prot

Q92558

Applications

Blocking

Specificity

This peptide can be used with studies using BS4370 p-WAVE1 (Y125) pAb.

Purification & Purity

Synthetic peptide p-WAVE1 (Y125). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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