

Anti-Human/Mouse/Rat Phospho-WASF1 (Tyr125) Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA01797

3th Edition

Description: The protein encoded by this gene, a member of the Wiskott-Aldrich syndrome protein (WASP)-family, plays a critical role downstream of Rac, a Rho-family small GTPase, in regulating the actin cytoskeleton required for membrane ruffling. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. WASF1 (WAS Protein Family Member 1) is a Protein Coding gene. Diseases associated with WASF1 include Wiskott-Aldrich Syndrome and Spinocerebellar Ataxia With Axonal Neuropathy Type 2. Among its related pathways are Innate Immune System and RET signaling. GO annotations related to this gene include actin binding and Rac GTPase binding. An important paralog of this gene is WASF2.

Antigen: Synthesized peptide derived from human WAVE1 around the phosphorylation site of Tyr125

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood.