

Product Datasheet

WASF2 Antibody

Catalog No: CY5694

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC



Information

UniProt ID: Q9Y6W5

All Names: Wiskott-Aldrich syndrome protein family member 2/WASP family protein member 2; Protein WAVE-2; Verprolin homology domain-containing protein 2; WASF2;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 80 kDa

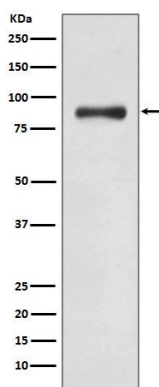
Application

WB: 1:500~1:2000

IHC: 1:50~1:200

Background

Wiskott-Aldrich syndrome proteins (WASPs) mediate actin dynamics by activating the Arp2/3 actin nucleation complex in response to activated Rho family GTPases. In mammals, five WASP family members have been described. Hematopoietic WASP and ubiquitously expressed N-WASP are autoinhibited in unstimulated cells. Upon stimulation they are activated by cdc42, which relieves the autoinhibition in conjunction with phosphatidylinositol 4,5-bisphosphate. Three WAVE (Wasf, SCAR) family proteins are similar in sequence to WASP and N-WASP but lack the WASP/N-WASP autoinhibition domains and are indirectly activated by Rac (reviewed in 1). Both WASP and WAVE functions appear to be essential, as knockout of either N-WASP or Scar-2 in mice results in cardiac and neuronal defects and embryonic lethality (2,3). Loss of WASP results in immune system defects and fewer immune cells (4).



Western blot analysis of WASF2 expression in K562 cell lysate.

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