

Product datasheet for **TA326418**

WAVE 1 (WASF1) Mouse Monoclonal Antibody [Clone ID: S91-36]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S91-36
Recommend Dilution:	WB: 1ug/ml, IHC: 0.1-1ug/ml, IF: 1-10ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 477-498 of human Wave1/Wasp family1
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	1 mg/ml
Purification:	Protein G Purified
Gene Name:	WAS protein family member 1
Database Link:	NP_003922 Entrez Gene 83767 MouseEntrez Gene 294568 RatEntrez Gene 8936 Human
Background:	The Wiskott-Aldrich syndrome protein (WASP) family plays essential roles in the regulation of actin polymerization. There are five WASP family members: Wasp, N-WASP, Wave1 (WASP family verprolin-homologous protein 1), WAVE2 and WAVE3. The Wasp family proteins share a conserved C-terminal region called the verprolin homology, cofilin homology and acidic domain . The Wave/Scar family of prtoteins mediates signals to actin assembly by direct activation of the Arp2/3 complex. These proteins have been characterized as major regulators of lamellipodia formation downstream of Rac activation, and as members of large protein complexes. IT has been found that all three Scar/Wave isoforms behave similarly and are likely to participate in the same kinds of protein complexes .
Synonyms:	SCAR1; WAVE; WAVE1
Note:	Detects ~75kDa.
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton



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