

Datasheet for 200-301-G64**WAVE1-Scar Antibody****Overview**

Description:	Anti-WAVE1-Scar (MOUSE) Monoclonal Antibody - 200-301-G64
Item No.:	200-301-G64
Size:	100 µg
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

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 proteins 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:	Wave1, Scar1, WASP, Wave, WASF1, Wiskott-Aldrich syndrome protein family member 1, WASP family protein member 1, Verprolin homology domain-containing protein 1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S91-36
Format:	IgG1

Target Details

Gene Name:	WASF1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	WAVE1-Scar Antibody was produced in mice by repeated immunizations raised against a synthetic peptide corresponding to the near c-terminal region of human Wave1/Wasp family1.
Purity/Specificity:	Anti-WAVE1-Scar Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with WAVE1-Scar from Mouse, Human, and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with WAVE1-Scar from other sources has not been determined. Neuroscience research.
Relevant Links:	• NCBI - NP_001020105.1 • GeneID - 8936 • UniProtKB - Q92558

Application Details

Application Note:	Anti-WAVE1-Scar Antibody is suitable for use in WB, IHC and IP. Expect a band approximately 75kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1.0-10ug/mL
IHC:	0.1-1.0ug/mL
IP:	User Optimized
WB:	1ug/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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