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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

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.