

Datasheet for 200-401-EC3**SARM Antibody****Overview**

Description:	Anti-SARM (RABBIT) Antibody - 200-401-EC3
Item No.:	200-401-EC3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. SARM (SAM and ARM-containing protein), along with other molecules such as TIRP, TRIF, TIRAP, and MyD88, is thought to serve as an adaptor protein for the TLRs that allows for the activation of downstream kinases and NF-κB, and ultimately the expression of proteins involved in host defense. While SARM has not been conclusively shown to associate directly with TLRs, the presence of a Toll-interleukin-1 (TIR) domain in SARM is consistent with a role as a signaling molecule.
Synonyms:	SARM Antibody, SARM, SAMD2, MyD88-5, KIAA0524, SARM, Sterile alpha and TIR motif-containing protein 1, Sterile alpha and Armadillo repeat protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SARM1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-SARM antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 14 amino acids near the C-terminus of human SARM.
Purity/Specificity:	Anti-SARM Antibody is affinity chromatography purified via peptide column. Cross reactivity with SARM from other sources has not been determined.
Relevant Links:	• UniProtKB - Q6SZW1 • GeneID - 23098 • NCBI - NP_055892

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SARM Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 79 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IF:	2 µg/mL
WB:	.5-2 µg/mL

Formulation

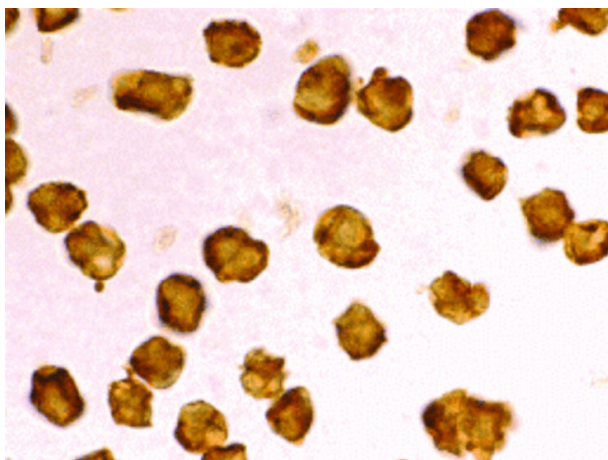
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

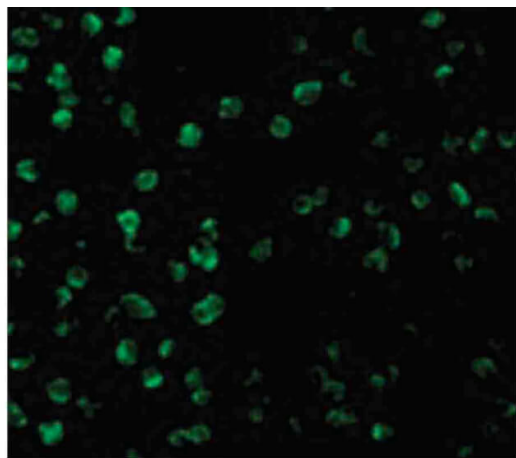
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration:

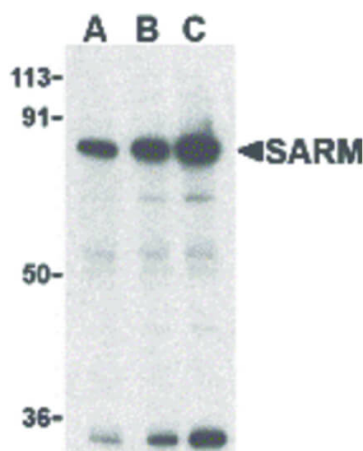
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunocytochemistry of SARM antibody. Cell Type: Daudi cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SARM antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SARM is located in the cell junction, cell projection, cytoplasm, mitochondria, and synapse. Staining: SARM is stained brown.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of SARM antibody. Cell Type: Daudi cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SARM antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SARM is located in the cell junction, cell projection, cytoplasm, mitochondria, and synapse. Staining: SARM as green fluorescent signal.

**Western Blot**

Western Blot of SARM antibody. Lane A: SARM antibody at 0.5 $\mu\text{g/mL}$. Lane B: SARM antibody at 1 $\mu\text{g/mL}$. Lane C: SARM antibody at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Primary antibody: SARM antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 79 kDa, 85 kDa for SARM. Other band(s): SARM splice variants and isoforms.

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.