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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-kB, 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-interluekin-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

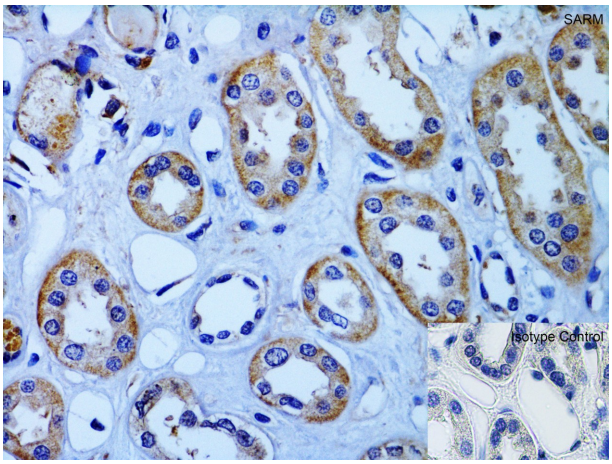
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

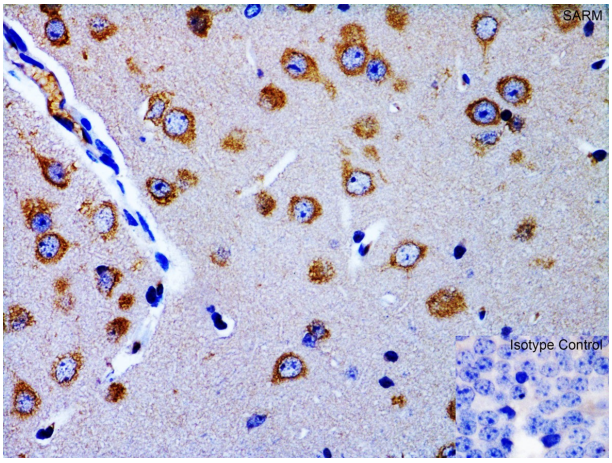
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

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

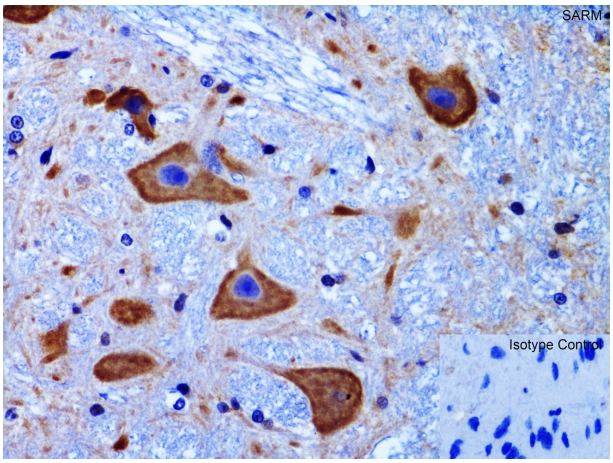
Images



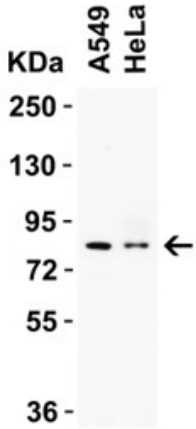
Immunohistochemistry
Immunohistochemistry Validation of SARM.
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-SARM antibody at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



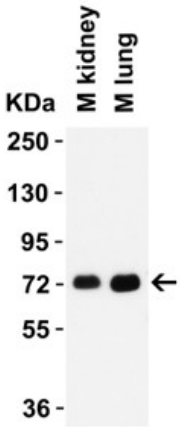
Immunohistochemistry
Immunohistochemistry Validation of SARM.
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-SARM antibody at 1 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



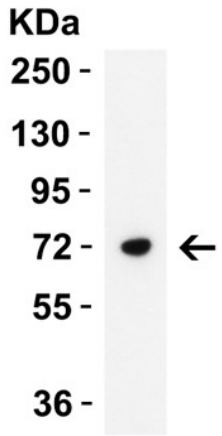
Immunofluorescence Microscopy
Immunohistochemistry Validation of SARM. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-SARM antibody at 1 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



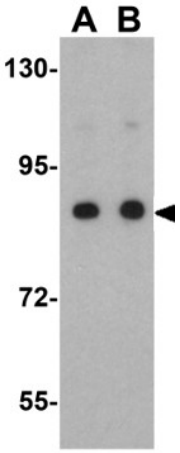
Western Blot
WB Validation. Loading: 15 µg of Human Cells lysate. Antibodies: SARM, 1 µg/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



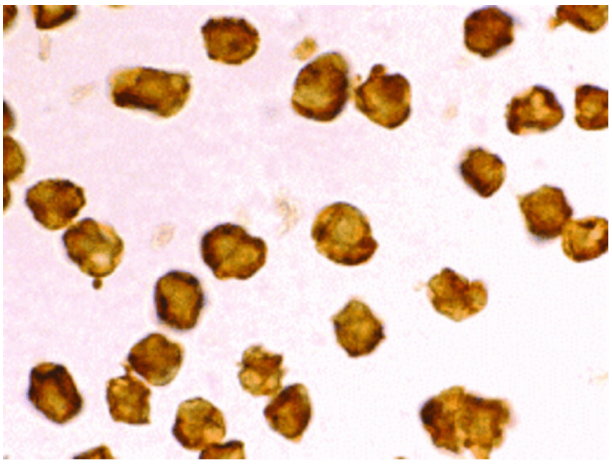
Western Blot
WB Validation. Loading: 15 µg of Mouse Tissues lysate. Antibodies: SARM, 1 µg/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



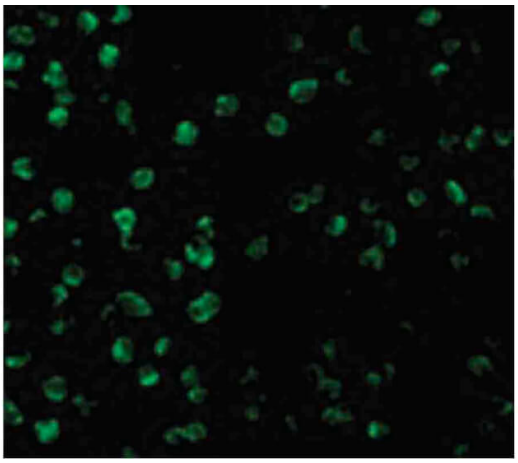
Western Blot
WB Validation. Loading: 15 µg of Rat Testis lysate. Antibodies: SARM, 2 µg/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



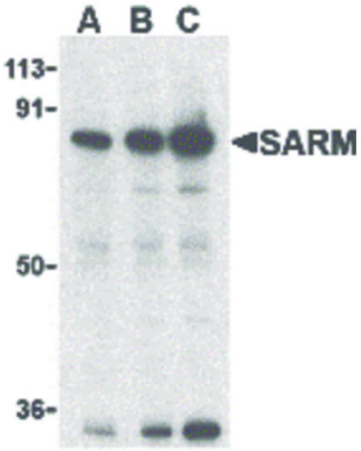
Western Blot
WB Validation. Loading: 15 µg of Daudi Cell lysate. Lane A: 0.5 µg/mL, Lane B: 1 µg/mL. Antibodies: SARM, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



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 µg/mL. Lane B: SARM antibody at 1 µg/mL. Lane C: SARM antibody at 2 µg/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

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