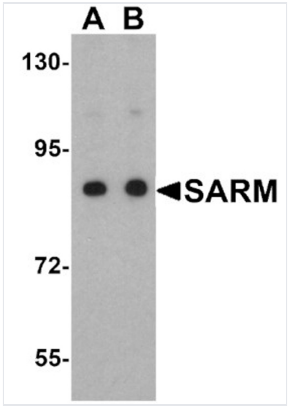
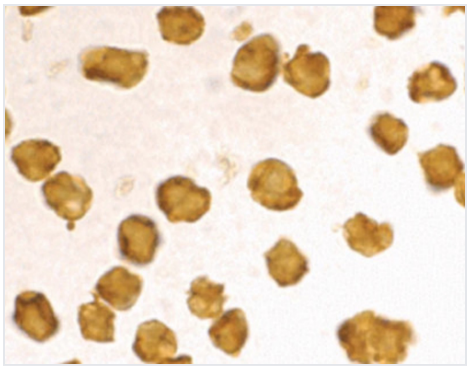
SARM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

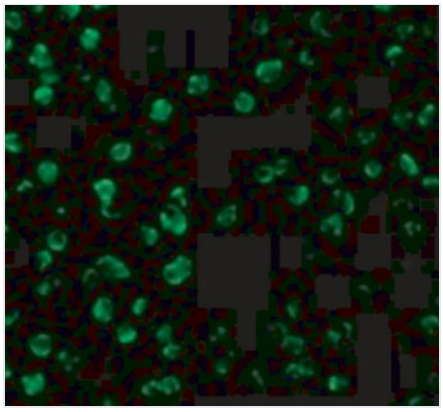
Product Name	SARM (SARM1), Polyclonal Antibody
Full Product Name	SARM Antibody
Product Gene Name	anti-SARM1 antibody
Product Synonym Names	SARM; SARM; SAMD2; MyD88-5; KIAA0524; SARM; Sterile alpha and TIR motif-containing protein 1; Sterile alpha and Armadillo repeat protein; sterile alpha and TIR motif containing 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	SARM Antibody is affinity chromatography purified via peptide column.
Concentration	1 mg/mL (lot specific)
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Antibody/Peptide Pairs	SARM peptide (MBS151771) is used for blocking the activity of SARM antibody (MBS150071)
Molecular Weight	Predicted MW: 80 kDa Observed MW: 85kDa
OMIM	607732
3D Structure	ModBase 3D Structure for Q6SZW1
Immunogen	SARM antibody was raised against a peptide corresponding to 14 amino acids near the C-terminus of human SARM. The immunogen is located within amino acids 640-690 of SARM.
Buffer	SARM Antibody is supplied in PBS containing 0.02% sodium azide.
Homology	Predicted species reactivity based on immunogen sequence: Pig: (86%)
Applications Tested/Suitable for anti-SARM1 antibody	ELISA (EIA), Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-SARM1 antibody	SARM antibody can be used for detection of SARM by Western blot at 0.5 to 2 mug/mL. Antibody can also be used for immunocytochemistry starting at 2 mug/mL. For immunofluorescence start at 2 mug/mL. Optimal dilutions / concentration for each application to be determined by the researcher.
Related Product Information for anti-SARM1 antibody	MBS150071 is an antibody targeting SARM1. Also known as SARM Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-SARM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SARM1 antibody
Western blot analysis of SARM in Daudi cell lysate with SARM antibody at (A) 0.5 and (B) 1 ?g/mL.



Immunocytochemistry (IHC) of anti-SARM1 antibody
Immunocytochemistry staining of Daudi cells using SARM antibody at 2 ?g/mL.



Immunofluorescence (IF) of anti-SARM1 antibody
Immunofluorescence of SARM in Daudi cells with SARM antibody at 2 ?g/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SARM1. It may not necessarily be applicable to this product.

NCBI GI #	154090976
NCBI GeneID	23098
NCBI Accession #	NP_055892
UniProt Primary Accession #	Q6SZW1
UniProt Secondary Accession #	O60277; Q7LGG3; Q9NXY5
UniProt Related Accession #	Q6SZW1
GenBank Nucleotide #	NM_015077.3
NCBI Official Full Name	sterile alpha and TIR motif-containing protein 1
NCBI Official Synonym Full Names	sterile alpha and TIR motif containing 1
NCBI Official Symbol	SARM1
NCBI Official Synonym Symbols	SARM; SAMD2; MyD88-5
UniProt Protein Name	Sterile alpha and TIR motif-containing protein 1
UniProt Synonym Protein Names	Sterile alpha and Armadillo repeat protein; Sterile alpha motif domain-containing protein 2; MyD88-5; SAM domain-containing protein 2; Tir-1 homolog
Protein Family	Sterile alpha and TIR motif-containing protein

UniProt Gene Name	SARM1
UniProt Synonym Gene Names	KIAA0524; SAMD2; SARM; MyD88-5; SAM domain-containing protein 2
UniProt Entry Name	SARM1_HUMAN
NCBI Protein Information	sterile alpha and TIR motif-containing protein 1; tir-1 homolog; SAM domain-containing protein 2; sterile alpha and Armadillo repeat protein; sterile alpha motif domain-containing protein 2; sterile alpha and HEAT/Armadillo motif protein, ortholog of Drosophila
UniProt Comments for SARM1	SARM1: Involved in innate immnune response. Acts as a negative regulator of TICAM1/TRIF-dependent Toll-like receptor signaling by inhibiting induction of TLR3- and TLR4-dependent genes. Specifically blocks TICAM1/TRIF-dependent transcription-factor activation and gene induction, without affecting the MYD88- dependent pathway or non-TLR signaling. Negative regulator of NF- kappa-B and IRF activation. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 17q11 Cellular Component: microtubule; mitochondrion; axon; cytoplasm; dendrite; extrinsic to mitochondrial outer membrane; synapse; cytosol; cell junction Biological Process: regulation of apoptosis; MyD88-independent toll-like receptor signaling pathway; regulation of dendrite morphogenesis; response to glucose stimulus; toll-like receptor signaling pathway; innate immune response; toll-like receptor 3 signaling pathway; toll-like receptor 4 signaling pathway
Research Articles on SARM1	**1.** These results indicate that association of PINK1 with SARM1 and TRAF6 is an important step for mitophagy.
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