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Anti-SARM1 Antibody

Our Anti-SARM1 Antibody primary antibody from PhosphoSolutions is rabbit polyclonal. It detects huma
Catalog # AN1549

Product Information

Application	WB, ICC
Primary Accession	Q6SZW1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	79388

Additional Information

Gene ID	23098
Other Names	FLJ36296 antibody, KIAA0524 antibody, MyD88-5 antibody, SAM and ARM-containing protein antibody, SAM domain-containing protein 2 antibody, SAMD2 antibody, SARM 1 antibody, SARM1 antibody, SARM1_HUMAN antibody, Sterile alpha and Armadillo repeat protein antibody, sterile alpha and HEAT/Armadillo motif protein, ortholog of Drosophila antibody, sterile alpha and HEAT/Armadillo motifs-containing protein antibody, sterile alpha and TIR motif containing 1 antibody, Sterile alpha and TIR motif-containing protein 1 antibody, Sterile alpha and TIR motifs-containing protein 1 antibody, Sterile alpha motif domain-containing protein 2 antibody, Tir-1 homolog antibody
Target/Specificity	NAD(+) hydrolase sterile alpha and TIR motif-containing protein 1 (SARM1), is the fifth member of the Toll/Il-1 Receptor (TIR) domain protein family. The highly conserved 724 amino acid protein is predominantly expressed in the brain, kidney and liver (Mink, M., et al 2001). Furthermore, SARM1 is enriched in the cytoplasm, mitchondria, and the axons, dendrites, and synapses of neurons (Panneerselvam, P., et al, 2012). SARM1 plays a key role in axonal degeneration by catalyzing the cleavage of NAD+ into ADPR, cADPR, and nicotinamide in response to injury triggering Wallerian degeneration (Gerdts, J. et al 2015). SARM1 has also been shown to activate neuronal cell death in response to stress (Peng, J. et al. 2010).
Dilution	WB~~1:1000 ICC~~N/A
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-SARM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping	Blue Ice

Background

NAD(+) hydrolase sterile alpha and TIR motif-containing protein 1 (SARM1), is the fifth member of the Toll/Il-1 Receptor (TIR) domain protein family. The highly conserved 724 amino acid protein is predominantly expressed in the brain, kidney and liver (Mink, M., et al 2001). Furthermore, SARM1 is enriched in the cytoplasm, mitchondria, and the axons, dendrites, and synapses of neurons (Panneerselvam, P., et al, 2012). SARM1 plays a key role in axonal degeneration by catalyzing the cleavage of NAD+ into ADPR, cADPR, and nicotinamide in response to injury triggering Wallerian degeneration (Gerdts, J. et al 2015). SARM1 has also been shown to activate neuronal cell death in response to stress (Peng, J. et al. 2010).