

Datasheet for ABIN7270591

anti-SARM1 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	SARM1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	SARM1 Rabbit pAb
Immunogen:	Recombinant protein of human SARM1.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SARM1
Alternative Name:	SARM1 (SARM1 Products)
Background:	NAD(+ hydrolase, which plays a key role in axonal degeneration following injury by regulating

Target Details

NAD(+) metabolism. Acts as a negative regulator of MYD88- and TRIF-dependent toll-like receptor signaling pathway by promoting Wallerian degeneration, an injury-induced form of programmed subcellular death which involves degeneration of an axon distal to the injury site. Wallerian degeneration is triggered by NAD(+) depletion: in response to injury, SARM1 is activated and catalyzes cleavage of NAD(+) into ADP-D-ribose (ADPR, cyclic ADPR (cADPR and nicotinamide, NAD(+) cleavage promoting cytoskeletal degradation and axon destruction. Also able to hydrolyze NADP(+, but not other NAD(+)-related molecules. Can activate neuronal cell death in response to stress. Regulates dendritic arborization through the MAPK4-JNK pathway (By similarity. Involved in innate immune response: inhibits both TICAM1/TRIF- and MYD88-dependent activation of JUN/AP-1, TRIF-dependent activation of NF-kappa-B and IRF3, and the phosphorylation of MAPK14/p38.,SARM, HsTIR, SAMD2, hSARM1, MyD88-5,SARM1

Molecular Weight: 79kDa

Gene ID: 23098

UniProt: [Q6SZW1](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

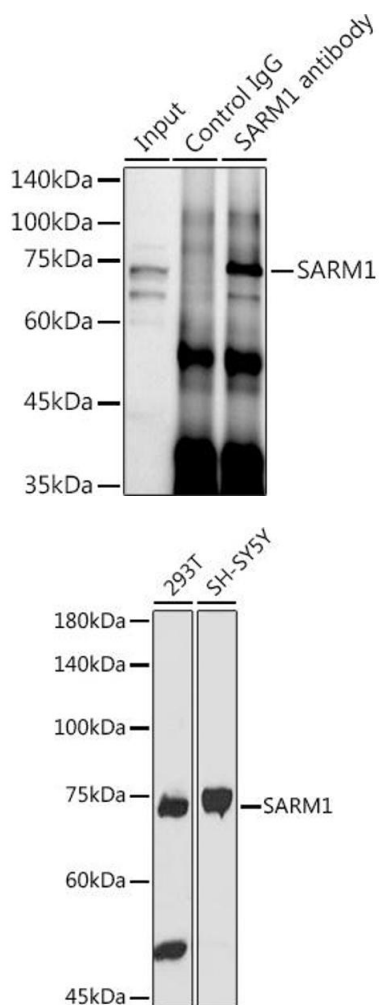
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of SH-SY5Y cells using 3 µg S antibody (ABIN7270591). Western blot was performed from the immunoprecipitate using S antibody (ABIN7270591) at a dilution of 1:1000.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using S antibody (ABIN7270591) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.