SARM1 Polyclonal Antibody

Catalog Number:E-AB-92292

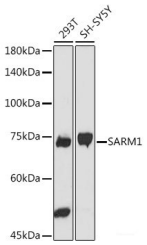
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

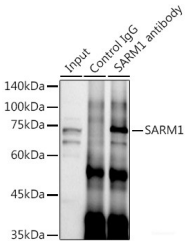
Reactivity	Human
Immunogen	A synthetic peptide of human SARM1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% proclin300,50% glycerol,pH7.3.

Applications	Recommended Dilution
WB	1:500-1:2000
IP	1:50-1:200

Data



Western blot analysis of extracts of various cell lines using SARM1 Polyclonal Antibody at 1:1000 dilution.
Observed Mw:73KDa
Calculated Mw:79kDa



Immunoprecipitation analysis of 300ug extracts of SH-SY5Y cells using 3ug SARM1 Polyclonal Antibody.Western blot was performed from the immunoprecipitate using SARM1 Polyclonal Antibody at a dilution of 1:1000.

Preparation & Storage

Storage	Store at -20℃. Avoid freeze/thaw cycles.

Background

NAD(+ hydrolase, which plays a key role in axonal degeneration following injury by regulating 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.

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