



SIRT6 Rabbit mAb

Catalog No	YP-rAb-17344
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	sirt6
Protein Name	
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:2000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	2810449N18Rik ; AI043036 ; Mono ADP ribosyltransferase sirtuin 6 ; NAD-dependent protein deacetylase sirtuin-6 ; Regulatory protein SIR2 homolog 6 ; Regulatory protein SIR2 homolog ; SIR2 like 6 ; SIR2 like protein 6 ; Sir2 related protein type 6 ; SIR2-like protein 6 ; SIR2
Observed Band	39kD
Calculated Molecular Weight	39kD
Cell Pathway	Nucleus . Chromosome . Chromosome, telomere . Endoplasmic reticulum . Predominantly nuclear (PubMed:18337721). Associated with pericentric heterochromatin and telomeric heterochromatin regions (PubMed:18337721, PubMed:27043296). Localizes to DNA damage sites: directly recognizes and binds double-strand breaks (DSBs) sites via a tunnel-like structure that has high affinity for DSBs (PubMed:21680843, PubMed:23911928, PubMed:27568560, PubMed:31995034, PubMed:32538779). A fraction localizes to the endoplasmic reticulum (PubMed:23552949). .
Tissue Specificity	Blood, Eye, Lung, Placenta, Spleen, Teratocarcinoma,
Function	Catalytic activity:NAD(+) + protein-L-arginine = nicotinamide + N(omega)-(ADP-D-ribosyl)-protein-L-arginine., Catalytic activity:NADP(+) + protein-L-arginine = nicotinamide +

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N(omega)-((2'-phospho-ADP)-D-ribose)-protein-L-arginine.,cofactor: Binds 1 zinc ion per subunit.,PTM:ADP-ribosylated (-auto).,similarity:Belongs to the sirtuin family.,similarity:Contains 1 deacetylase sirtuin-type domain.,subcellular location:Predominantly nuclear.,

Background

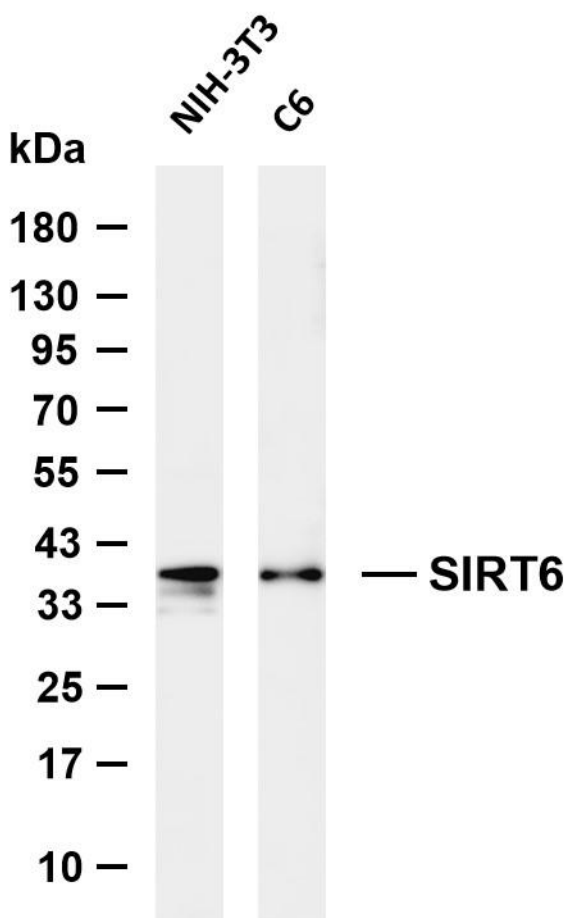
This gene encodes a member of the sirtuin family of NAD-dependent enzymes that are implicated in cellular stress resistance, genomic stability, aging and energy homeostasis. The encoded protein is localized to the nucleus, exhibits ADP-ribosyl transferase and histone deacetylase activities, and plays a role in DNA repair, maintenance of telomeric chromatin, inflammation, lipid and glucose metabolism. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SIRT6 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: C6 Predicted band size: 39kDa Observed band size: 39kDa

