

产品名称: SIRT6 (10O9) Rabbit Monoclonal Antibody
产品货号: AMRe17919



产品概述 (Summary)

产品名称 (Production Name)	SIRT6 (10O9) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SIRT6
别名 (Alternative Names)	SIR2L6; SIR2-like protein 6; NAD-dependent protein deacetylase sirtuin-6; Regulatory protein SIR2 homolog 6; Sirtuin 6;
基因 ID (Gene ID)	51548.0
蛋白 ID (SwissProt ID)	Q8N6T7.A synthetic peptide of human SIRT6

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:200,ICC/IF 1:100-1:200,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	39kDa

研究背景 (Background)

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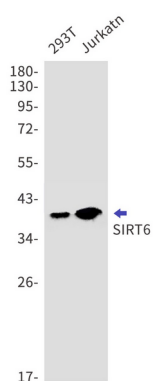
The Silent Information Regulator (Sir2) family of genes is a highly conserved group of genes that encode nicotinamide adenine dinucleotide (NAD)-dependent protein deacetylases, also known as class III histone deacetylases. SirT6, a mammalian homolog of Sir2, is a nuclear, chromatin-associated protein that promotes the normal maintenance of genome integrity mediated by the base excision repair (BER) pathway. NAD-dependent protein deacetylase involved in various processes including telomere maintenance and gene expression, and consequently has roles in genomic stability, cell senescence and apoptosis (PubMed: [18337721](http://www.uniprot.org/citations/18337721)), PubMed: [19135889](http://www.uniprot.org/citations/19135889), PubMed: [19625767](http://www.uniprot.org/citations/19625767), PubMed: [21362626](http://www.uniprot.org/citations/21362626)). Has very weak deacetylase activity and can bind NAD(+) in the absence of acetylated substrate (PubMed: [21362626](http://www.uniprot.org/citations/21362626)). Has deacetylase activity towards histone H3K9Ac and H3K56Ac (PubMed: [19625767](http://www.uniprot.org/citations/19625767), PubMed: [21362626](http://www.uniprot.org/citations/21362626)). Modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle (PubMed: [19625767](http://www.uniprot.org/citations/19625767)). May also be required for the association of WRN with telomeres during S-phase and for normal telomere maintenance (PubMed: [18337721](http://www.uniprot.org/citations/18337721)). Deacetylates histone H3K9Ac at NF-kappa-B target promoters and may down-regulate the expression of a subset of NF-kappa-B target genes (PubMed: [21362626](http://www.uniprot.org/citations/21362626)). Deacetylation of nucleosomes interferes with RELA binding to target DNA (PubMed: [19135889](http://www.uniprot.org/citations/19135889)). Acts as a corepressor of the transcription factor Hif1a to control the expression of multiple glycolytic genes to regulate glucose homeostasis (By similarity). Required for normal IGF1 serum levels and normal glucose homeostasis (By similarity). Regulates the production of TNF protein (By similarity). Has a role in the regulation of life span (By similarity).

研究领域 (Research Area)

Epigenetics and Nuclear Signaling

图片 (Image Data)

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Western blot detection of SIRT6 in 293T, Jurkat cell lysates using SIRT6 antibody (1:1000 diluted).

注意事项 (Note)

For research use only .