

Product datasheet for **TA349438**

SIRT1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat, 293T, Hela and K562 cells, human testis tissue and A549 cells
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human SIRT1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	82 kDa
Gene Name:	sirtuin 1
Database Link:	NP_036370 Entrez Gene 93759 Mouse Entrez Gene 23411 Human Q96EB6

Background: This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants.

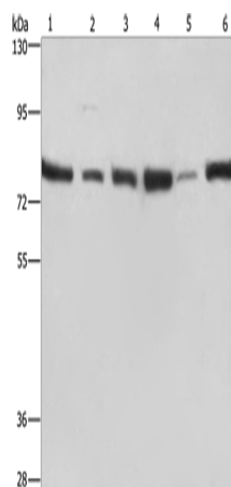


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Synonyms: SIR2; SIR2alpha; SIR2L1

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:



Gel: 6%SDS-PAGE

Lysate: 40 µg

Lane 1-6: Jurkat cells

293T cells

HeLa cells

K562 cells

human testis tissue

A549 cells

Primary antibody: TA349438 (SIRT1 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds