

Product datasheet for **TA319930**

SIRT7 Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	SIRT7 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human SIRT7.
Formulation:	SIRT7 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	SIRT7 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	sirtuin 7
Database Link:	NP_057622

[Entrez Gene 209011 Mouse](#)[Entrez Gene 303745 Rat](#)[Entrez Gene 51547 Human](#)
[Q9NRC8](#)

Background: SIRT7 Antibody: The Silent Information Regulator (SIR2) family of genes are highly conserved from prokaryotes to eukaryotes and have important functions in the regulation of metabolism, growth and differentiation, inflammation, cellular survival, as well as in senescence and lifespan extension. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD⁺-dependent histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT7 is a nucleolar protein that positively regulates RNA polymerase I transcription and has been postulated to enable cells to sustain critical functions by inhibiting cell growth under severe stress conditions.

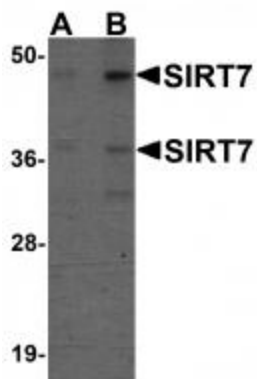


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Synonyms: SIR2L7

Protein Families: Druggable Genome, Transcription Factors

Product images:



Western blot analysis of SIRT7 in 293 cell lysate with SIRT7 antibody at (A) 0.5 and (B) 1 ug/mL.