

Product datasheet for **TA319857**

SIRT3 Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	SIRT3 antibody was raised against a 17 amino acid synthetic peptide near the center of human SIRT3. The immunogen is located within amino acids 180 - 230 of SIRT3.
Formulation:	SIRT3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	SIRT3 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 3
Database Link:	NP_036371 Entrez Gene 23410 Human Q9NTG7



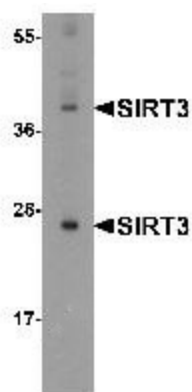
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Background:

SIRT3 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, lifespan extension and several age-related diseases. Sirtuins are NAD⁺-dependent histone/protein deacetylases (HDAC) and SIRT3 is the only sirtuin whose increased expression has been shown to correlate with an extended life span in humans. It is localized in the mitochondrial matrix, where it regulates the acetylation levels of metabolic enzymes, including acetyl coenzyme A synthetase 2. SIRT3 is stress-responsive and its increased expression protects myocytes from genotoxic and oxidative stress-mediated cell death.

Synonyms:

SIR2L3

Product images:

Western blot analysis of SIRT3 in mouse heart tissue lysate with SIRT3 antibody at 1ug/ml.