

Product datasheet for **TA319858**

SIRT1 Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	SIRT1 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human SIRT1.
Formulation:	SIRT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	SIRT1 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 1
Database Link:	NP_036370 Entrez Gene 23411 Human Q96EB6

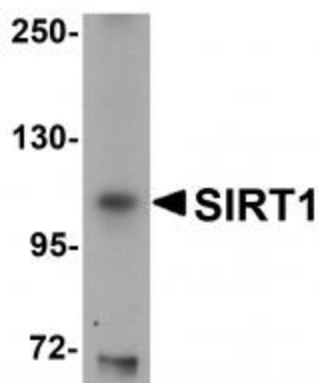
Background: SIRT1 Antibody: The Silent Information Regulator (SIR2) family of genes are highly conserved from prokaryotes to eukaryotes and have important functions in the regulation of metabolism, growth and differentiation, inflammation, cellular survival, as well as in senescence and lifespan extension. 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. SIRT1 has the closest homology to the yeast Sir2p and is widely expressed in fetal and adult tissues. SIRT1 regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53, specifically via lysine residue.



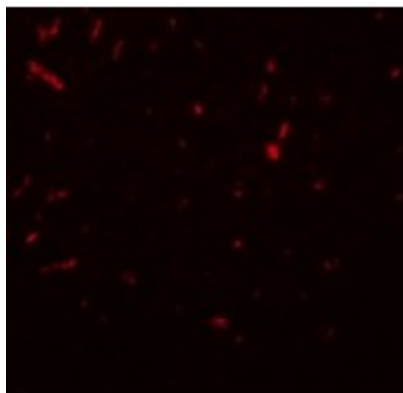
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Synonyms: SIR2; SIR2alpha; SIR2L1

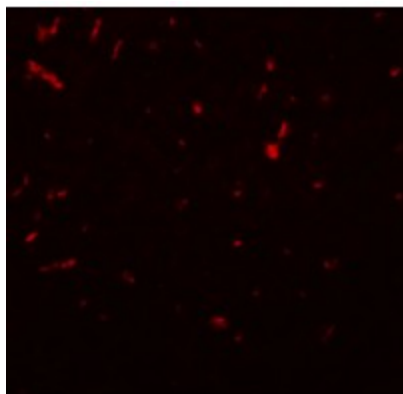
Product images:



Western blot analysis of SIRT1 in mouse liver tissue lysate with SIRT1 antibody at 1 ug/mL.



Immunofluorescence of SIRT1 in rat lung tissue with SIRT1 antibody at 20 ug/mL.



Immunofluorescence of SIRT1 in mouse liver tissue with SIRT1 antibody at 20 ug/mL.