

ARG54661 anti-SIRT5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes SIRT5
Tested Reactivity	Hu, Ms
Tested Application	ELISA, WB
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	SIRT5
Immunogen	Synthetic peptide (17 aa) within the last 50 aa of Human SIRT5.
Conjugation	Un-conjugated
Alternate Names	SIR2L5; Regulatory protein SIR2 homolog 5; EC 3.5.1.-; NAD-dependent protein deacylase sirtuin-5, mitochondrial; SIR2-like protein 5

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-Dependent
	WB	1 - 2 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Liver Tissue Lysate	

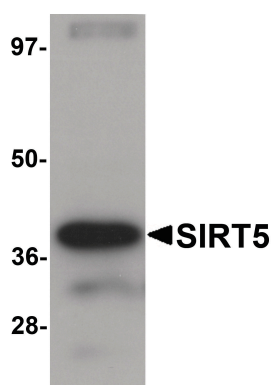
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 23408 Human GeneID: 68346 Mouse Swiss-port # Q8K2C6 Mouse Swiss-port # Q9NXA8 Human
Gene Symbol	SIRT5
Gene Full Name	sirtuin 5
Background	SIRT5 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. SIRT5 localizes to mitochondria, deacetylates carbamoyl phosphate synthetase 1, and is involved in the regulation of the urea cycle.
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	34 kDa

Images



ARG54661 anti-SIRT5 antibody WB image

Western blot: human liver tissue lysate stained with ARG54661 anti-SIRT5 antibody at 1 µg/ml.