ARG54660
anti-SIRT4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes SIRT4
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, WB
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	SIRT4
Immunogen	Synthetic peptide (17 aa) within aa. 80-130 of Human SIRT4.
Conjugation	Un-conjugated
Alternate Names	SIR2L4; NAD-dependent ADP-ribosyltransferase sirtuin-4; NAD-dependent protein deacetylase sirtuin-4; SIR2-like protein 4; EC 3.5.1.-; NAD-dependent protein lipoamidase sirtuin-4, mitochondrial; EC 2.4.2.-; Regulatory protein SIR2 homolog 4

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

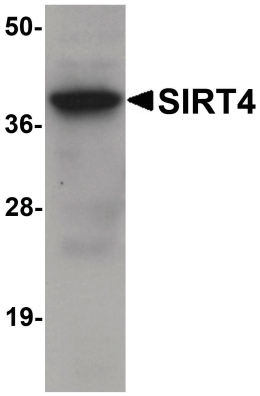
Properties

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: 23409 Human GeneID: 75387 Mouse Swiss-port # Q8R216 Mouse Swiss-port # Q9Y6E7 Human
Gene Symbol	SIRT4
Gene Full Name	sirtuin 4
Background	SIRT4 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. SIRT4 localizes to mitochondria, inhibits glutamate dehydrogenase, and is thought to be involved in the regulation of insulin secretion. |
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	35 kDa

Images



ARG54660 anti-SIRT4 antibody WB image

Western blot: human liver tissue lysate stained with ARG54660 anti-SIRT4 antibody at 1 µg/ml.