Datasheet for ABIN6991345

anti-SIRT4 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	SIRT4
Binding Specificity:	AA 80-130, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This SIRT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	SIRT4 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human SIRT4. The immunogen is located within amino acids 80 - 130 of SIRT4.
Isotype:	IgY
Purification:	SIRT4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SIRT4
Alternative Name:	SIRT4 (SIRT4 Products)
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

Target Details

	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.
Molecular Weight:	Predicted: 37 kDa Observed: 40 kDa
Gene ID:	23409
UniProt:	Q9Y6E7
Pathways:	Negative Regulation of Hormone Secretion

Application Details

Application Notes:	SIRT4 antibody can be used for detection of SIRT4 by Western blot at 1 - 2 µ,g/mL. Antibody validated: Western Blot in human and mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SIRT4 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	SIRT4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.