

SIRT5 Antibody

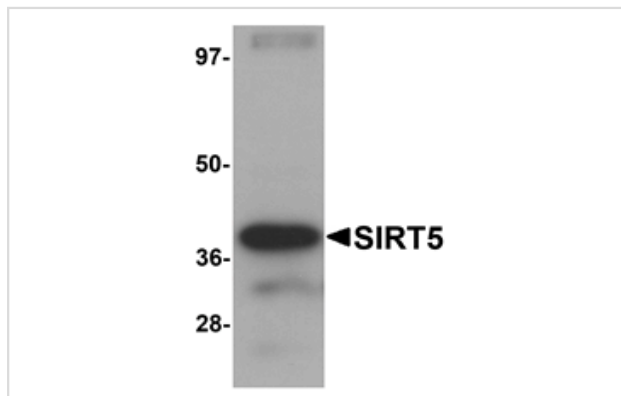
Catalog No: #25125

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Description

Product Name	SIRT5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human SIRT5.
Target Name	SIRT5
Other Names	Sirtuin 5, NAD-dependent deacetylase sirtuin-5, SIR2L5
Accession No.	NP_036373
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



Western blot analysis of SIRT5 in human liver tissue lysate with SIRT5 antibody at 1 ug/mL.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.