

## SIRT7 Antibody

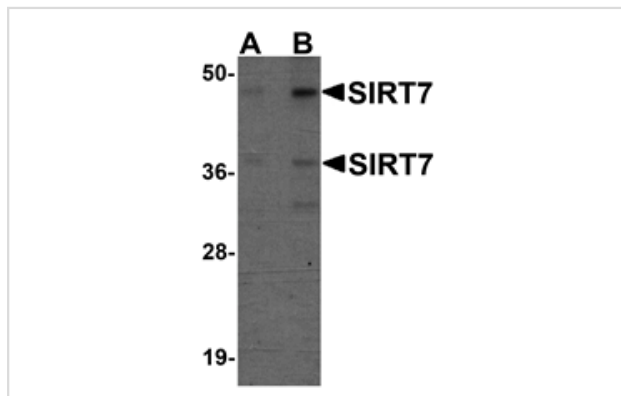
Catalog No: #25127

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## Description

Product Name	SIRT7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide near the amino terminus of human SIRT7.
Target Name	SIRT7
Other Names	Sirtuin 7, NAD-dependent deacetylase sirtuin-7, SIR2L7
Accession No.	NP_057622
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 SIRT7 in 293 cell lysate with SIRT7 antibody at (A) 0.5 and (B) 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<sup>+</sup>-dependent histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT7 is a nucleolar protein that positively regulates RNA polymerase I transcription and has been postulated to enable cells to sustain critical functions by inhibiting cell growth under severe stress conditions.

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