

## SIRT4 Antibody

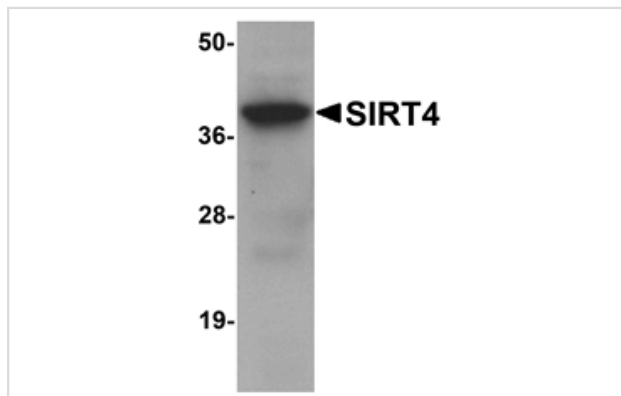
Catalog No: #25124

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	SIRT4 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 17 amino acid peptide near the amino terminus of human SIRT4.
Target Name	SIRT4
Other Names	Sirtuin-4, NAD-dependent deacetylase sirtuin-4, SIR2L4
Accession No.	EAW98182
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 SIRT4 in human liver tissue lysate with SIRT4 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<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. SIRT4 localizes to mitochondria, inhibits glutamate dehydrogenase, and is thought to be involved in the regulation of insulin secretion.

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