

## SIRT4 Antibody (F46292)

Catalog No.	Formulation	Size
F46292-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F46292-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Bovine
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9Y6E7
<b>Applications</b>	Western blot : 1:1000
<b>Limitations</b>	This SIRT4 antibody is available for research use only.



SIRT4 antibody western blot analysis in mouse testis tissue lysate.

## Description

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress

recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family.

## Application Notes

Titration of the SIRT4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 67-95 from the human protein was used as the immunogen for this SIRT4 antibody.

## Storage

Aliquot the SIRT4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.