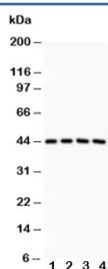


## SIRT3 Antibody (R31580)

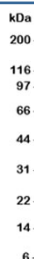
Catalog No.	Formulation	Size
R31580	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	23410
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This SIRT3 antibody is available for research use only.



Western blot testing of SIRT3 antibody and Lane 1: rat spleen; 2: human placenta; 3: HeLa; 4: COLO320. Predicted molecular weight: 44/28 kDa (full/processed).



Western blot testing of SIRT3 antibody and recombinant human protein (0.5ng)

## Description

NAD-dependent deacetylase sirtuin-3, mitochondrial is a protein that in humans is encoded by the SIRT3 gene. It is member of the mammalian sirtuin family of proteins, which are homologs to the yeast Sir2 protein. Endogenous SIRT3 is a soluble protein located in the mitochondrial matrix. Overexpression in cultured cells increases respiration and decreases the production of reactive oxygen species. It can function as a mitochondrial deacetylase. Additionally, human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the SIRT3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 66-399) was used as the immunogen for this SIRT3 antibody.

## Storage

After reconstitution, the SIRT3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.