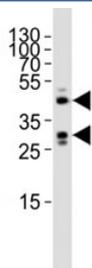


## SIRT3 Antibody (F49520)

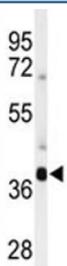
Catalog No.	Formulation	Size
F49520-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F49520-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Hamster
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q8R104
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
<b>Limitations</b>	This SIRT3 antibody is available for research use only.



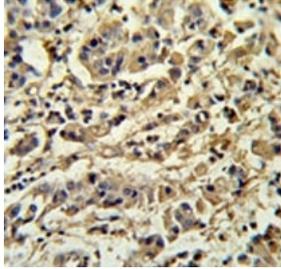
Western blot analysis of lysate from mouse heart tissue lysate using SIRT3 antibody diluted at 1:1000.



Western blot analysis of SIRT3 antibody and mouse brain tissue lysate

95  
72  
55  
36  
28

Western blot analysis of SIRT3 antibody and CHO lysate



SIRT3 antibody IHC analysis in formalin fixed and paraffin embedded human breast carcinoma.

kDa  
95  
72  
55  
36  
28  
17

Western blot analysis of SIRT3 antibody and mouse liver lysate

## Description

SIRT3 is an NAD-dependent protein deacetylase. Activates or deactivates mitochondrial target proteins by deacetylating key lysine residues. Known targets include ACSS1, IDH, GDH, PDHA1, SOD2, LCAD, SDHA and the ATP synthase subunit ATP5O. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels. [UniProt]

## 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

A portion of amino acids 304-334 from the mouse protein was used as the immunogen for this SIRT3 antibody.

## Storage

Store at 4°C for up to one month. For long term, aliquot the SIRT3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

