

Datasheet for ABIN3032591  
**anti-SIRT3 antibody (AA 304-334)**

## 6 Images

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## Overview

Quantity:	0.2 mL
Target:	SIRT3
Binding Specificity:	AA 304-334
Reactivity:	Human, Mouse, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	A portion of amino acids 304-334 from the mouse protein was used as the immunogen for this SIRT3 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

## Target Details

Target:	SIRT3
Alternative Name:	SIRT3 ( <a href="#">SIRT3 Products</a> )
Background:	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

## Target Details

cellular energy metabolism. Important for regulating tissue-specific ATP levels. [UniProt]

UniProt: [Q8R104](#)

## Application Details

**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.\.  
Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** In 1X PBS pH 7.4 with 0.09 % sodium azide

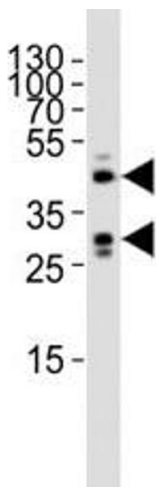
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C

**Storage Comment:** 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.

## Images



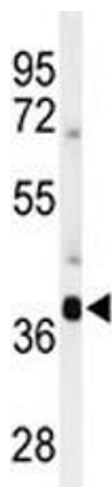
### Western Blotting

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



#### Western Blotting

**Image 2.** Western blot analysis of SIRT3 antibody and CHO lysate



#### Western Blotting

**Image 3.** Western blot analysis of SIRT3 antibody and mouse brain tissue lysate

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3032591.