

Datasheet for ABIN7160861  
**anti-SIRT3 antibody (AA 20-130)**



[Go to Product page](#)

2 Images

## Overview

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Quantity:            | 100 µg                                                |
| Target:              | SIRT3                                                 |
| Binding Specificity: | AA 20-130                                             |
| Reactivity:          | Human                                                 |
| Host:                | Rabbit                                                |
| Clonality:           | Polyclonal                                            |
| Conjugate:           | This SIRT3 antibody is un-conjugated                  |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF) |

## Product Details

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human NAD-dependent protein deacetylase sirtuin-3, mitochondrial protein (20-130AA) |
| Isotype:          | IgG                                                                                             |
| Cross-Reactivity: | Human, Mouse                                                                                    |
| Purification:     | >95%, Protein G purified                                                                        |

## Target Details

|                   |                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------|
| Target:           | SIRT3                                                                                        |
| Alternative Name: | SIRT3 ( <a href="#">SIRT3 Products</a> )                                                     |
| Background:       | Background: NAD-dependent protein deacetylase. Activates or deactivates mitochondrial target |

Target Details

proteins by deacetylating key lysine residues. Known targets include ACSS1, IDH, GDH, SOD2, PDHA1, LCAD, SDHA and the ATP synthase subunit ATP50. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels.

Aliases: hSIRT 3 antibody, hSIRT3 antibody, Mitochondrial nicotinamide adenine dinucleotide dependent deacetylase antibody, NAD dependent deacetylase sirtuin 3 mitochondrial antibody, NAD-dependent protein deacetylase sirtuin-3, mitochondrial antibody, Regulatory protein SIR2 homolog 3 antibody, Silent mating type information regulation 2 S.cerevisiae homolog 3 antibody, Sir 2 like 3 antibody, SIR 2 like protein 3 antibody, SIR 3 antibody, SIR2 L3 antibody, Sir2 like 3 antibody, SIR2 like protein 3 antibody, SIR2-like protein 3 antibody, SIR2L3 antibody, SIR3\_HUMAN antibody, SIRT 3 antibody, SIRT3 antibody, Sirtuin 3 antibody, Sirtuin silent mating type information regulation 2 homolog 3 (S. cerevisiae) antibody, Sirtuin type 3 antibody, Sirtuin3 antibody

UniProt: [Q9NTG7](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

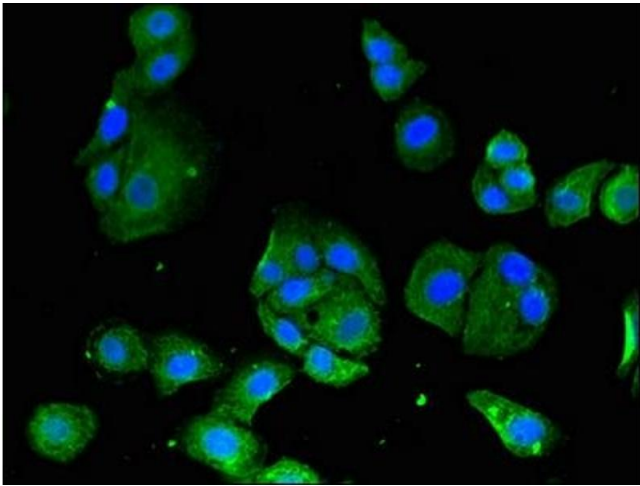
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

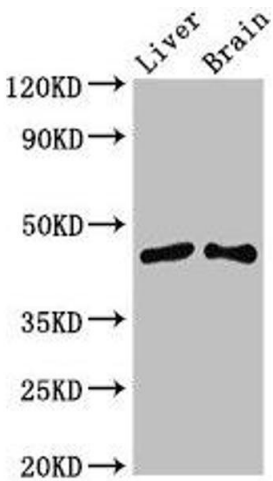
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7160861 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse liver tissue, Mouse brain tissue All lanes: SIRT3 antibody at 3.4  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 44, 29 kDa Observed band size: 44 kDa