

### Anti-SIRT2 antibody ab67299

★★★★☆ [4 Abreviews](#) [19 References](#) [3 图像](#)

#### 概述

产品名称	Anti-SIRT2抗体
描述	兔多克隆抗体to SIRT2
宿主	Rabbit
经测试应用	适用于: WB, ICC
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Cynomolgus monkey, Common marmoset, Orangutan 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Whole extracts of mouse and rat brain ICC: HeLa cells
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab67299 于以下的经测试应用

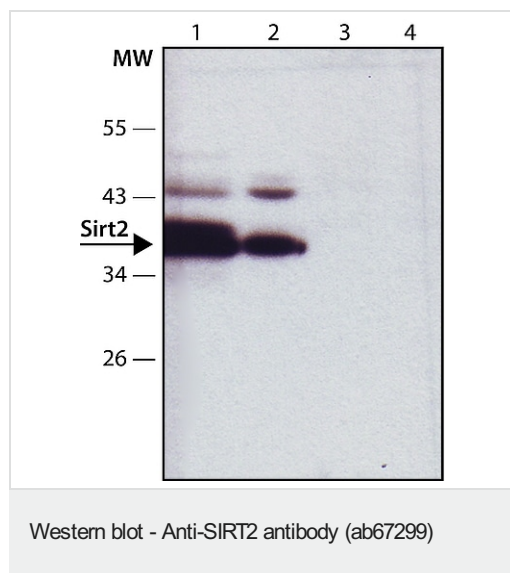
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 43 kDa.
ICC		Use at an assay dependent concentration.

## 靶标

<b>功能</b>	NAD-dependent protein deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin. Involved in the control of mitotic exit in the cell cycle, probably via its role in the regulation of cytoskeleton.
<b>组织特异性</b>	Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulation of microtubule network.
<b>序列相似性</b>	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.
<b>发展阶段</b>	Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.
<b>翻译后修饰</b>	Phosphorylated at the G2/M transition of the cell cycle.
<b>细胞定位</b>	Cytoplasm > cytoskeleton. Colocalizes with microtubules.

## 图片



**All lanes :** Anti-SIRT2 antibody (ab67299) at 2 µg/ml

**Lane 1 :** Whole extracts of mouse brain

**Lane 2 :** Whole extracts of rat brain

**Lane 3 :** Whole extracts of mouse brain with SIRT2 immunizing peptide

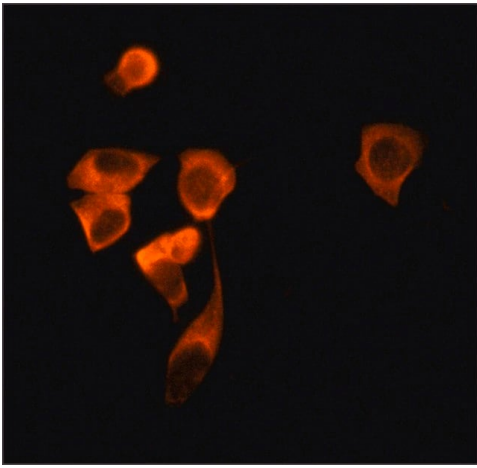
**Lane 4 :** Whole extracts of rat brain with SIRT2 immunizing peptide

### Secondary

**All lanes :** Goat Anti-Rabbit IgG-Peroxidase

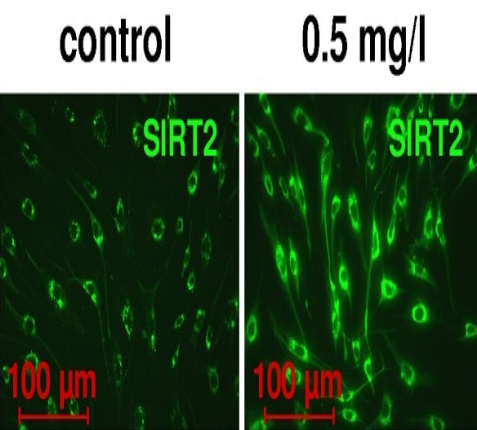
**Predicted band size:** 43 kDa

chemiluminescent substrate.



Immunocytochemistry - Anti-SIRT2 antibody  
(ab67299)

Immunocytochemistry analysis of HeLa cells labeling SIRT2 with ab67299 at 10 µg/mL. Cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton X-100. The antibody was developed using Goat Anti-Rabbit IgG, Cy3 conjugate.



Immunocytochemistry - Anti-SIRT2 antibody  
(ab67299)

ab67299 staining SIRT2 in pure rat Schwann cells by ICC/IF (Immunocytochemistry/immunofluorescence) after resveratrol (RSV) treatment. Cells were fixed with 4% PFA blocked with 10% Goat serum/ 0.1% Triton x-100/ 0.1% BSA in PBS for 60 minutes at 21°C followed by 10% Goat serum/ 0.5% Triton X-100/ 0.01% BSA in PBS for 15 minutes at 21°C. Samples were incubated with primary antibody (1/100 in PBS + 10% goat serum) overnight at 21°C. An Alexa Fluor®488-conjugated goat anti-mouse IgG polyclonal (1/400) was used as the secondary antibody. Stimulation of rSCs with RSV led to an increase of SIRT2 expression in densitometry analysis.

Image from Stettner Met al., PLoS One. 2013;8(6):e66079. Fig 5.; doi: 10.1371/journal.pone.0066079. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

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