


### Anti-SIRT2 antibody ab67299

★★★★☆ **4 Abreviews**   **19 References**   画像数 3

#### 製品の概要

製品名	Anti-SIRT2 antibody
製品の詳細	Rabbit polyclonal to SIRT2
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC
種交差性	<b>交差種:</b> Mouse, Rat, Human <b>交差が予測される動物種:</b> Cynomolgus monkey, Common marmoset, Orangutan 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Whole extracts of mouse and rat brain ICC: HeLa cells
特記事項	<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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab67299の使用に適用されます**

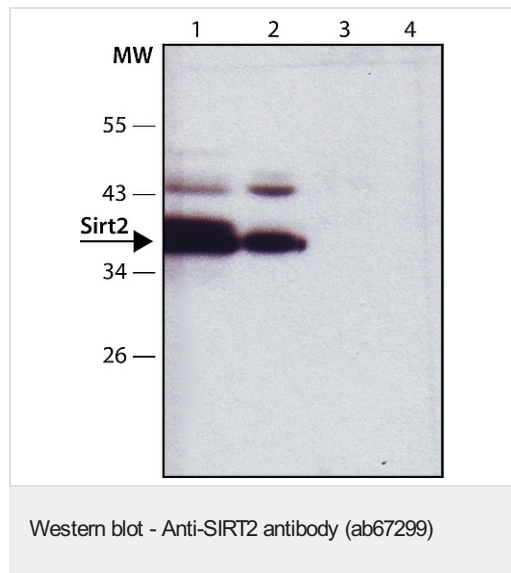
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 43 kDa.
ICC		Use at an assay dependent concentration.

## ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.
発生段階	Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.
翻訳後修飾	Phosphorylated at the G2/M transition of the cell cycle.
細胞内局在	Cytoplasm > cytoskeleton. Colocalizes with microtubules.

## 画像



**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

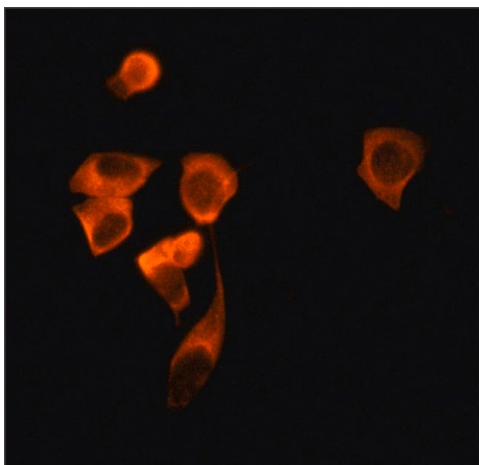
**Lane 4 :** Whole extracts of rat brain with SIRT2 immunizing peptide

**Secondary**

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

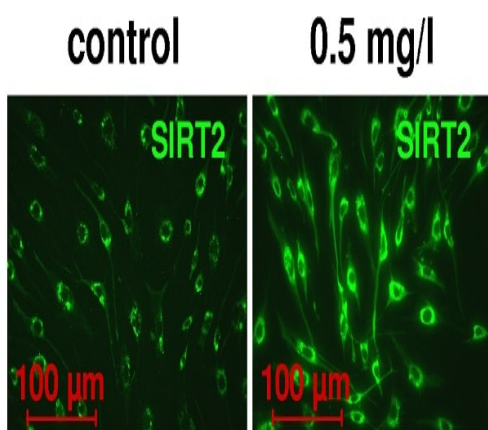
**Predicted band size:** 43 kDa

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  
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Image from Stettner Met al., PLoS One.  
2013;8(6):e66079. Fig 5.; doi:  
10.1371/journal.pone.0066079. Reproduced under the  
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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.

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