

### Anti-SIRT2 antibody [EP1668Y] ab51023

重组 RabMAb

★★★★☆ **4 Abreviews** **13 References** **4 图像**

#### 概述

|       |  |
|-------|--|
| 产品名称  | Anti-SIRT2抗体[EP1668Y]  |
| 描述    | 兔单克隆抗体[EP1668Y] to SIRT2   |
| 宿主    | Rabbit   |
| 经测试应用 | <b>适用于:</b> Flow Cyt (Intra), WB, IP<br><b>不适用于:</b> IHC-P   |
| 种属反应性 | <b>与反应:</b> Human  |
| 免疫原   | Synthetic peptide within Human SIRT2 (C terminal). The exact sequence is proprietary.  |
| 阳性对照  | WB: SKBR-3 cell lysate Flow Cyt (intra): HeLa cells IP: HeLa cell lysate   |
| 常规说明  | This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information <a href="#">see here</a> .<br>Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> . |

#### 性能

|      |   |
|------|---|
| 形式   | Liquid  |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.                         |
| 存储溶液 | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |
| 纯度   | Tissue culture supernatant  |
| 克隆   | 单克隆   |
| 克隆编号 | EP1668Y   |

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab51023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  |
|------------------|-----------|---|
| Flow Cyt (Intra) |           | 1/30.<br><b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| WB               | ★★★★★ (3) | 1/1000. Detects a band of approximately 36 kDa (predicted molecular weight: 43 kDa).                            |
| IP               | ★★★★★ (1) | 1/50.   |

## 应用说明

Is unsuitable for IHC-P.

## 靶标

## 功能

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.

## 组织特异性

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.

## 序列相似性

Belongs to the sirtuin family.  
Contains 1 deacetylase sirtuin-type domain.

## 发展阶段

Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.

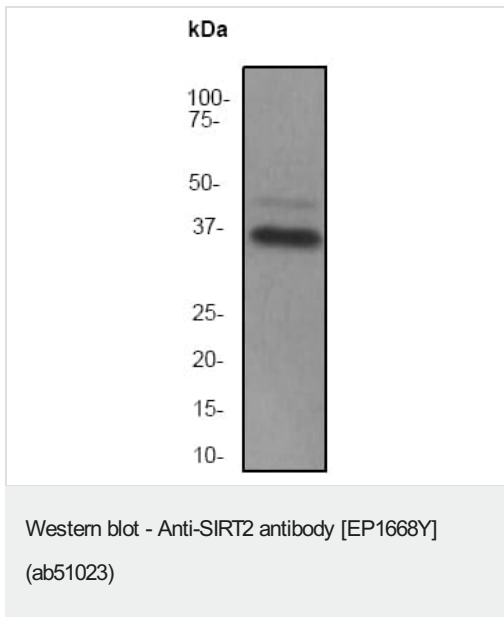
## 翻译后修饰

Phosphorylated at the G2/M transition of the cell cycle.

## 细胞定位

Cytoplasm > cytoskeleton. Colocalizes with microtubules.

## 图片



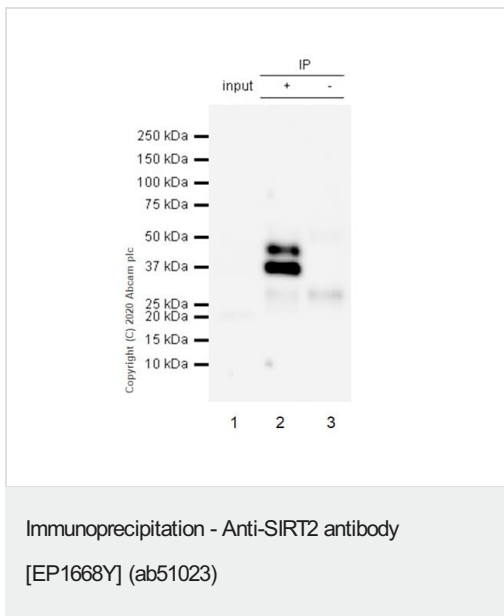
Anti-SIRT2 antibody [EP1668Y] (ab51023) at 1/1000 dilution + SKBR-3 cell lysate at 10 µg

**Secondary**

Goat anti-rabbit HRP labeled at 1/2000 dilution

**Predicted band size:** 43 kDa

**Observed band size:** 36 kDa



Purified ab51023 at 1/50 dilution (2µg) immunoprecipitating SIRT2 in HeLa whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg

Lane 2 (+): ab51023 + HeLa whole cell lysate.

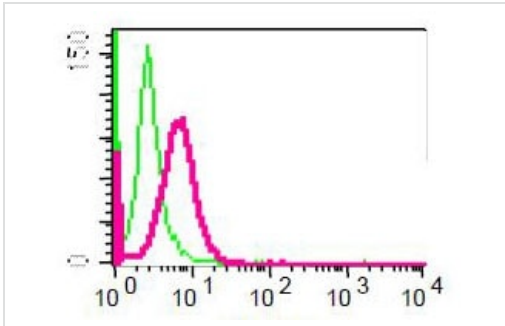
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab51023 in HeLa whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 36-43 kDa



Intracellular Flow Cytometry analysis of permeabilized HeLa cells using anti-SIRT2/SIRT2 (red) (ab51023) or a rabbit IgG (negative) (green).

Flow Cytometry (Intracellular) - Anti-SIRT2 antibody [EP1668Y] (ab51023)

Why choose a recombinant antibody?

|  |  |
|--|--|
|  <p><b>Research with confidence</b><br/>Consistent and reproducible results</p> |  <p><b>Long-term and scalable supply</b><br/>Recombinant technology</p> |
|  <p><b>Success from the first experiment</b><br/>Confirmed specificity</p>    |  <p><b>Ethical standards compliant</b><br/>Animal-free production</p> |

Anti-SIRT2 antibody [EP1668Y] (ab51023)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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