

## Product datasheet

# Anti-SIRT6 antibody ab88494

★★★★☆ 3 Abreviews 3 References 2 图像

### 概述

产品名称	Anti-SIRT6抗体
描述	兔多克隆抗体to SIRT6
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 不与反应: Mouse
免疫原	Synthetic peptide mapping to a region between residue 305 and 355 of Human SIRT6 (NP_057623.1)
阳性对照	Whole cell lysate from HeLa or 293T cells

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab88494** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★☆	1/1000 - 1/5000. Predicted molecular weight: 39 kDa.
IP		Use at 2-5 µg/mg of lysate.

## 靶标

### 功能

NAD-dependent protein deacetylase. Has deacetylase activity towards histone H3K9Ac and H3K56Ac. Modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle. Deacetylates histone H3K9Ac at NF-kappa-B target promoters and may down-regulate the expression of a subset of NF-kappa-B target genes. Acts as a corepressor of the transcription factor HIF1A to control the expression of multiple glycolytic genes to regulate glucose homeostasis. Required for genomic stability. Regulates the production of TNF protein. Has a role in the regulation of life span (By similarity). Deacetylation of nucleosomes interferes with RELA binding to target DNA. May be required for the association of WRN with telomeres during S-phase and for normal telomere maintenance. Required for genomic stability. Required for normal IGF1 serum levels and normal glucose homeostasis. Modulates cellular senescence and apoptosis. On DNA damage, promotes DNA end resection via deacetylation of RBBP8. Has very weak deacetylase activity and can bind NAD(+) in the absence of acetylated substrate.

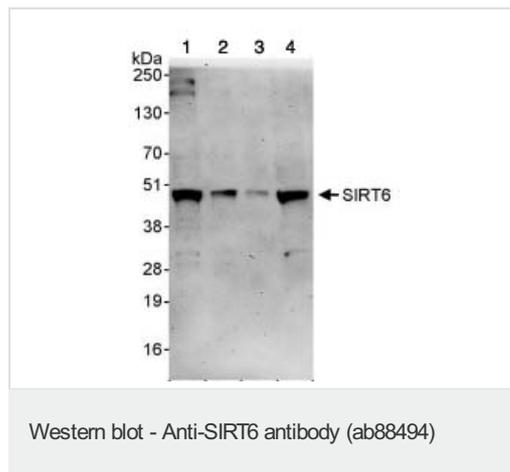
### 序列相似性

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

### 细胞定位

Nucleus, nucleoplasm. Predominantly nuclear. Associated with telomeric heterochromatin regions.

## 图片



**All lanes :** Anti-SIRT6 antibody (ab88494) at 0.4 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

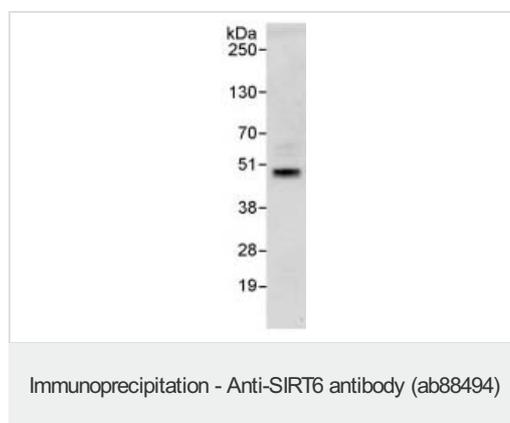
**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

**Predicted band size:** 39 kDa

**Exposure time:** 3 minutes



3µg [ab88484](#) were used to immunoprecipitate 1mg HeLa whole cell lysate. 20% of immunoprecipitate was loaded on gel and probed with [ab88484](#) at 1µg/ml.

Detection: chemoluminescence with exposure time of 30 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors