

## Product datasheet

# Anti-SIRT6 antibody - CHIP Grade ab62739

★★★★☆ 14 Abreviews 20 References 5 图像

### 概述

<b>产品名称</b>	Anti-SIRT6抗体- CHIP Grade
<b>描述</b>	兔多克隆抗体to SIRT6 - CHIP Grade
<b>经测试应用</b>	<b>适用于:</b> WB, ICC/IF, IHC-P, CHIPseq, Flow Cyt
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Chicken, Human <b>预测可用于:</b> Cow
<b>免疫原</b>	Synthetic peptide: GLPEIFDPPEELERK conjugated to KLH by a Cysteine residue linker, corresponding to N terminal amino acids 19-33 of Human SIRT6  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	Extracts of human U87 cells, extracts of mouse 3T3 cells.

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
<b>纯度</b>	Immunogen affinity purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab62739** in the following tested applications.

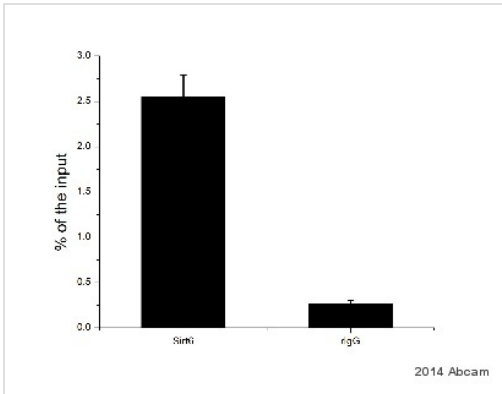
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★☆	Use at an assay dependent concentration. Detects a band of approximately 37 kDa (predicted molecular weight: 37 kDa). 2-4 ug/mL is recommended using whole extracts of mouse 3T3 cells. Use at 1-2 ug/mL with whole extracts of human U87 cells. Detects a band of approximately 37 kDa (predicted molecular weight: 39 (human), 37 mouse kDa (mouse)).
ICC/IF	★★★★☆	Use at an assay dependent concentration.
IHC-P		1/200.
CHIPseq		Use at an assay dependent concentration. PubMed: 22196736
Flow Cyt		1/200. <a href="#">ab171870</a> - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

## 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.

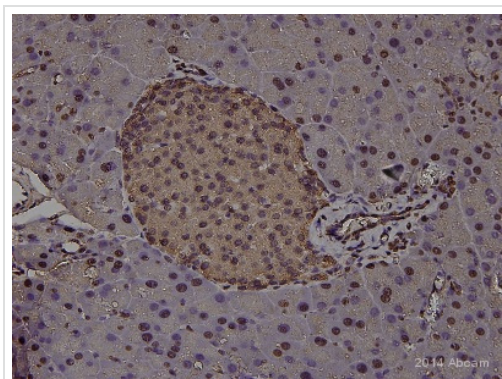
## 图片



ChIP - Anti-SIRT6 antibody - ChIP Grade (ab62739)

This image is courtesy of an anonymous abreview.

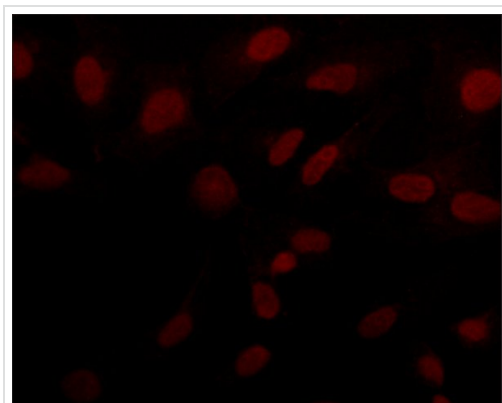
ChIP analysis using ab62739 binding SIRT6 in mouse primary hepatocytes. Cells were cross-linked for 8 minutes with 1% formaldehyde. Samples were incubated with Anti-SIRT6 antibody - ChIP Grade (ab62739) (1/200) for 20 hours at 4°C. Protein binding was detected using real-time PCR.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SIRT6 antibody - ChIP Grade (ab62739)

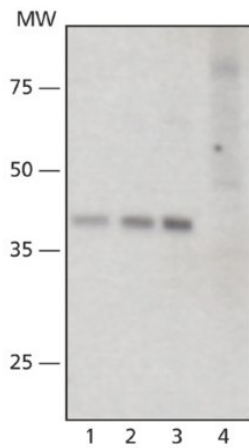
This image is courtesy of an anonymous Abreview

ab62739 staining SIRT6 in mouse pancreas tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 5% serum for 1 hour at 25°C; antigen retrieval was by heat mediation in a sodium citrate buffer. Samples were incubated with primary antibody (1/200) for 16 hours at 4°C. A HRP-conjugated donkey anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-SIRT6 antibody - ChIP Grade (ab62739)

Immunocytochemistry/ Immunofluorescence analysis of HeLa cells labeling SIRT6 with ab62739. Cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton™ X-100. Fixed cells were stained with 2.5 µg/mL Anti-SIRT6 antibody - ChIP Grade (ab62739). The antibody was developed using Goat Anti-Rabbit IgG, Cy3™ conjugate.



Western blot - Anti-SIRT6 antibody - ChIP Grade (ab62739)

**Lane 1** : Anti-SIRT6 antibody - ChIP Grade (ab62739) at 0.5 µg/ml

**Lane 2** : Anti-SIRT6 antibody - ChIP Grade (ab62739) at 1 µg/ml

**Lanes 3 - 4** : Anti-SIRT6 antibody - ChIP Grade (ab62739) at 2 µg/ml

**Lane 1** : Mouse 3T3 whole cell extract

**Lane 2** : Mouse 3T3 whole cell extract

**Lane 3** : Mouse 3T3 whole cell extract

**Lane 4** : Mouse 3T3 whole cell extract with immunizing peptide

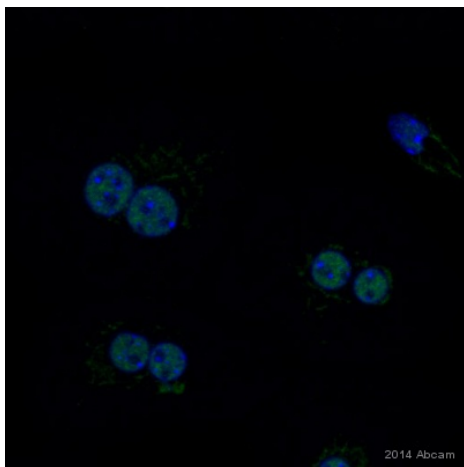
### Secondary

Goat Anti-Rabbit IgG,

Developed using the ECL technique

**Predicted band size** : 37 kDa

**Observed band size** : 37 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SIRT6 antibody - ChIP Grade (ab62739)

This image is courtesy of an anonymous abreview.

Immunocytochemistry/ Immunofluorescence

analysis of mouse primary hepatocytes

labeling SIRT6 with ab62739 at 1/200 dilution.

The cells were fixed with paraformaldehyde,

followed by blocking with 3% BSA for 2 hours

at 20°C. A polyclonal goat anti-rabbit IgG

Alexa Fluor® 488 secondary antibody was

used at 1/10000 dilution.

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

### Our Promise 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 <http://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