

## Product datasheet

# Anti-SIRT6 antibody - CHIP Grade ab62739

★★★★☆ 14 Abreviews 25 References 4 图像

### 概述

产品名称	Anti-SIRT6抗体- CHIP Grade
描述	兔多克隆抗体to SIRT6 - CHIP Grade
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, ChIP, IHC-P, CHIPseq, Flow Cyt
种属反应性	与反应: Mouse, Rat, Chicken, Human 预测可用于: Cow
免疫原	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>
阳性对照	Extracts of human U87 cells, extracts of mouse 3T3 cells.

### 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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	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.
ChIP	★★★★☆	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 HIF 1A 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 IGF 1 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.

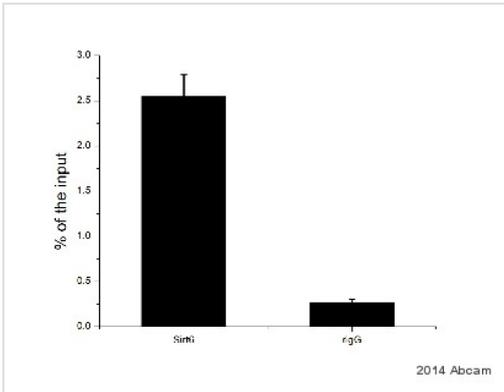
### 序列相似性

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.

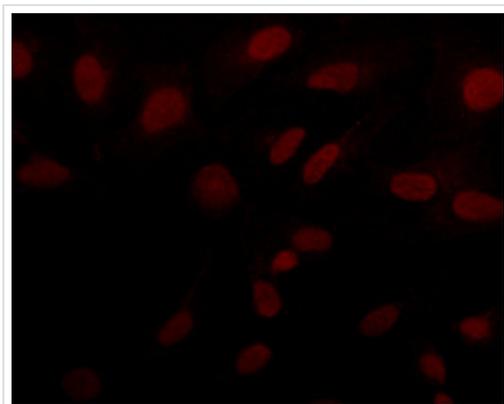
## 图片



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

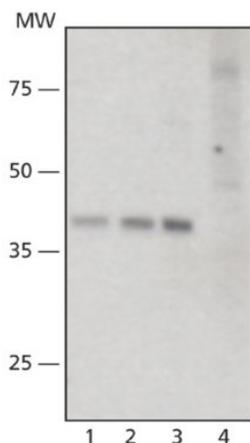
This image is courtesy of an anonymous abreview.

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.



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

**Lanes 1-3** : Mouse 3T3 whole cell extract

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

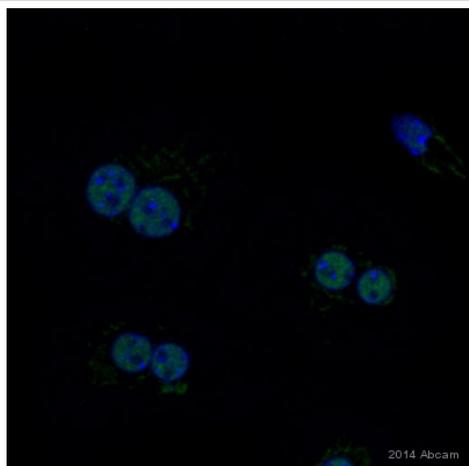
### Secondary

**All lanes** : 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.

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