




Anti-SIRT6 antibody ab62739

★★★★★ 14 Abreviews 69 References 3 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, ICC
种属反应性	与反应: Mouse, 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 <div> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></div>
阳性对照	ICC: HeLa cells
常规说明	<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>
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	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
纯度	Immunogen affinity purified
克隆	多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab62739于以下的经测试应用

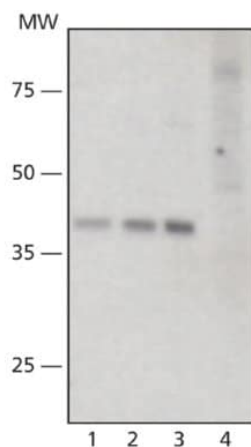
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (8)	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		Use a concentration of 2.5 µg/ml.

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



Western blot - Anti-SIRT6 antibody (ab62739)

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

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

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

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

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

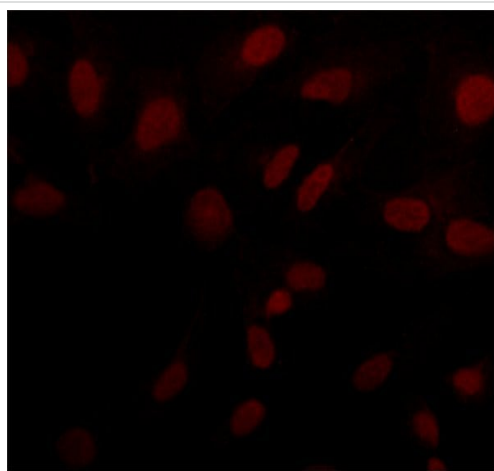
### Secondary

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

Developed using the ECL technique.

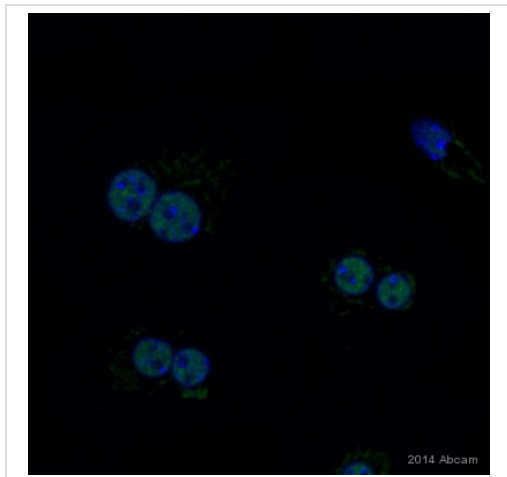
**Predicted band size:** 37 kDa

**Observed band size:** 37 kDa



Immunocytochemistry - Anti-SIRT6 antibody  
(ab62739)

Immunocytochemistry/ Immunofluorescence analysis of HeLa cells labeling SIRT6 with ab62739. Cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton<sup>™</sup> 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<sup>™</sup> conjugate.



Immunocytochemistry - Anti-SIRT6 antibody  
(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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