


# Anti-HDAC1 antibody [mAbcam 68436] - Nuclear Loading Control ab68436

[1 Abreviews](#) [2 References](#) [1 图像](#)

### 概述

产品名称	Anti-HDAC1抗体[mAbcam 68436] -核Loading Control
描述	小鼠单克隆抗体[mAbcam 68436] to HDAC1 -核Loading Control
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Mouse 预测可用于: Rat, Cow, Human, Orangutan 
免疫原	Synthetic peptide corresponding to Human HDAC1 aa 450 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab20434</a> )
阳性对照	WB: IOUD2 Whole Cell Lysate.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <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 long term.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide
纯度	Protein G purified
克隆	单克隆

克隆编号	mAbcam 68436
骨髓瘤	Sp2/0-Ag14
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab68436于以下的经测试应用

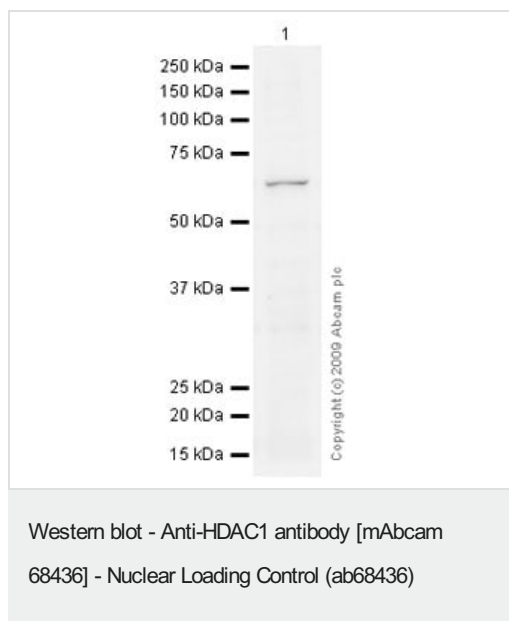
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 5 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 55 kDa).

靶标

功能	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREST-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Deacetylates 'Lys-310' in RELA and thereby inhibits the transcriptional activity of NF-kappa-B.
组织特异性	Ubiquitous, with higher levels in heart, pancreas and testis, and lower levels in kidney and brain.
序列相似性	Belongs to the histone deacetylase family. HD type 1 subfamily.
翻译后修饰	Sumoylated on Lys-444 and Lys-476; which promotes enzymatic activity. Desumoylated by SENP1. Phosphorylation on Ser-421 and Ser-423 promotes enzymatic activity and interactions with NuRD and SIN3 complexes. Ubiquitinated by CHFR, leading to its degradation by the proteasome.
细胞定位	Nucleus.

图片



Anti-HDAC1 antibody [mAbcam 68436] - Nuclear Loading Control (ab68436) at 5 µg/ml + IOUD2 Whole Cell Lysate at 20 µg

#### Secondary

Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

**Predicted band size:** 55 kDa

**Observed band size:** 60 kDa

**Exposure time:** 1 minute

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

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