



Anti-HDAC5 antibody [HDAC5-35] ab50001

2 References **1 图像**

概述

产品名称	Anti-HDAC5抗体[HDAC5-35]
描述	小鼠单克隆抗体[HDAC5-35] to HDAC5
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Mouse
免疫原	<p>Synthetic peptide corresponding to Human HDAC5 aa 4-19 conjugated to keyhole limpet haemocyanin. synthetic peptide has a C-terminal added lysine.</p> <p>Sequence:</p> <p>PNESDGMSGREPSLEI</p> <p>Database link: Q9UQL6</p> <p> Run BLAST with  Run BLAST with</p>
阳性对照	WB: Total cell extracts of NIH3T3 fibroblast cells.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 05/06/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</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&As</p>

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	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: 0.0268% PBS</p>

纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	HDAC5-35
骨髓瘤	NS1
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab50001于以下的经测试应用

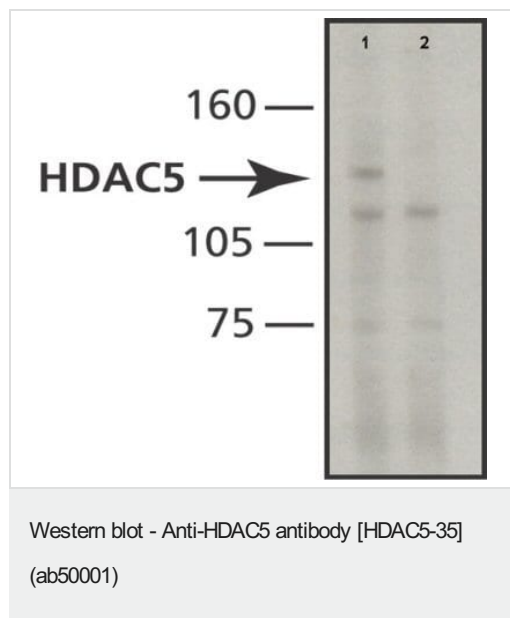
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 122 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. Involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors.
组织特异性	Ubiquitous.
序列相似性	Belongs to the histone deacetylase family. HD type 2 subfamily.
结构域	The nuclear export sequence mediates the shuttling between the nucleus and the cytoplasm.
翻译后修饰	Phosphorylated by CaMK at Ser-259 and Ser-498. The phosphorylation is required for the export to the cytoplasm. Phosphorylated by the PKC kinases PKN1 and PKN2, impairing nuclear import. Ubiquitinated. Polyubiquitination however does not lead to its degradation.
细胞定位	Nucleus. Cytoplasm. Shuttles between the nucleus and the cytoplasm. In muscle cells, it shuttles into the cytoplasm during myocyte differentiation. The export to cytoplasm depends on the interaction with a 14-3-3 chaperone protein and is due to its phosphorylation at Ser-259 and Ser-498 by CaMK.

图片



Lane 1 : Anti-HDAC5 antibody [HDAC5-35] (ab50001) at 2 µg/ml

Lane 2 : no primary antibody

All lanes : 3T3 cell extract (mouse fibroblasts)

Secondary

All lanes : Goat Anti-Mouse, Peroxidase conjugate

Predicted band size: 122 kDa

Observed band size: ~122 kDa

This image was generated using the ascites version of the product.

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

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