


HRP Anti-HDAC2 antibody [Y461] ab195851

敲除验证 重组 RabMAb

2 References 3 图像

概述

产品名称	HRP Anti-HDAC2抗体[Y461]
描述	HRP兔单克隆抗体[Y461] to HDAC2
宿主	Rabbit
偶联物	HRP
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: K562 whole cell lysate.
常规说明	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	Y461
同种型	IgG

应用

The Abpromise guarantee Abpromise[™] 承诺保证使用ab195851于以下的经测试应用

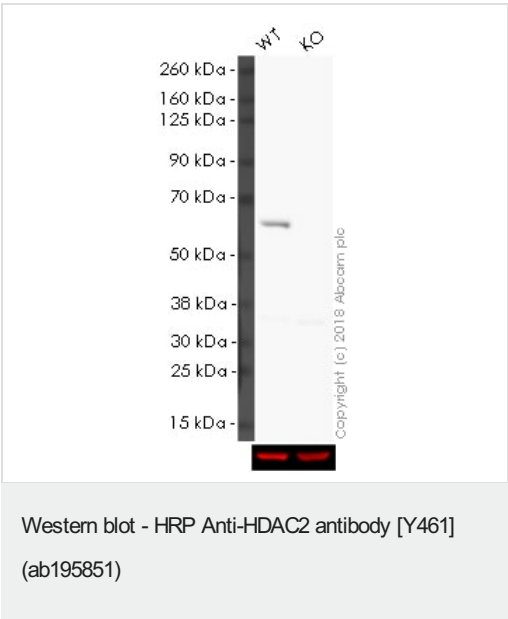
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/10000. 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. Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. Interacts in the late S-phase of DNA-replication with DNMT1 in the other transcriptional repressor complex composed of DNMT1, DMAP1, PCNA, CAF1. Deacetylates TSHZ3 and regulates its transcriptional repressor activity.
组织特异性	Widely expressed; lower levels in brain and lung.
序列相似性	Belongs to the histone deacetylase family. HD type 1 subfamily.
翻译后修饰	S-nitrosylated by GAPDH. In neurons, S-Nitrosylation at Cys-262 and Cys-274 does not affect the enzyme activity but abolishes chromatin-binding, leading to increases acetylation of histones and activate genes that are associated with neuronal development. In embryonic cortical neurons, S-Nitrosylation regulates dendritic growth and branching.
细胞定位	Nucleus.

图片



All lanes : HRP Anti-HDAC2 antibody [Y461] (ab195851) at 1/10000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : HDAC2 knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

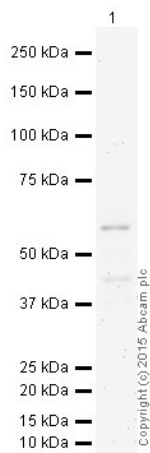
Predicted band size: 55 kDa

Observed band size: 55 kDa

Exposure time: 30 seconds

ab195851 was shown to specifically react with HDAC2 in wild-type HAP1 cells as signal was lost in HDAC2 knockout cells. Wild-type and HDAC2 knockout samples were subjected to SDS-PAGE.

Ab195851 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/10000 dilution and 1/20000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



Western blot - HRP Anti-HDAC2 antibody [Y461] (ab195851)

HRP Anti-HDAC2 antibody [Y461] (ab195851) at 1/10000 dilution + K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

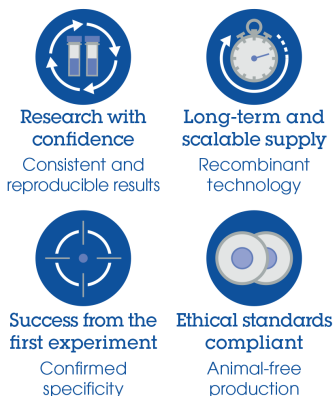
Predicted band size: 55 kDa

Observed band size: 60 kDa

Exposure time: 30 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab195851 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**

Why choose a recombinant antibody?



HRP Anti-HDAC2 antibody [Y461] (ab195851)

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