


Anti-HDAC8 antibody [EPR10338(2)] ab187139

敲除验证
重组
RabMAb

★★★★★
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概述

产品名称	Anti-HDAC8抗体[EPR10338(2)]
描述	兔单克隆抗体[EPR10338(2)] to HDAC8
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HeLa, Molt4 and K562 cell lysates; human kidney tissue lysate; K562 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR10338(2)
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab187139于以下的经测试应用

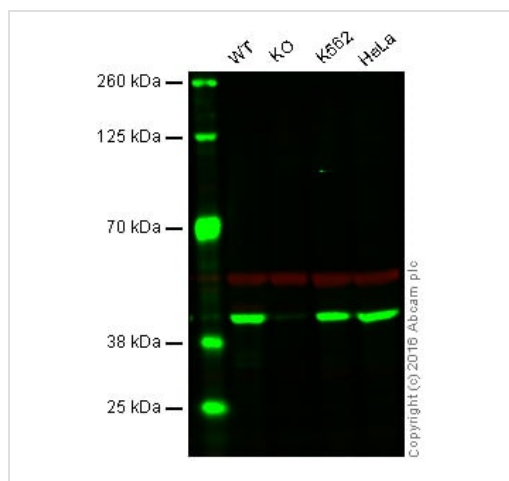
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/150. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 42 kDa.
IP		1/40 - 1/60.

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. May play a role in smooth muscle cell contractility.
组织特异性	Weakly expressed in most tissues. Expressed at higher level in heart, brain, kidney and pancreas and also in liver, lung, placenta, prostate and kidney.
序列相似性	Belongs to the histone deacetylase family. HD type 1 subfamily.
翻译后修饰	Phosphorylated by PKA on serine 39. Phosphorylation reduces deacetylase activity observed preferentially on histones H3 and H4.
细胞定位	Nucleus. Cytoplasm. Excluded from the nucleoli. Found in the cytoplasm of cells showing smooth muscle differentiation.

图片



Western blot - Anti-HDAC8 antibody [EPR10338(2)]
(ab187139)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

Lane 2: HDAC8 knockout HAP1 cell lysate (20 µg)

Lane 3: K562 cell lysate (20 µg)

Lane 4: HeLa cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab187139.

Red - loading control, **ab7291**, observed at 52 kDa.

ab187139 was shown to specifically react with HDAC8

when HDAC8 knockout samples were used. Wild-type and HDAC8

knockout samples were subjected to SDS-PAGE. ab187139 and

ab7291 (loading control to alpha tubulin) were diluted 1/10 000 and

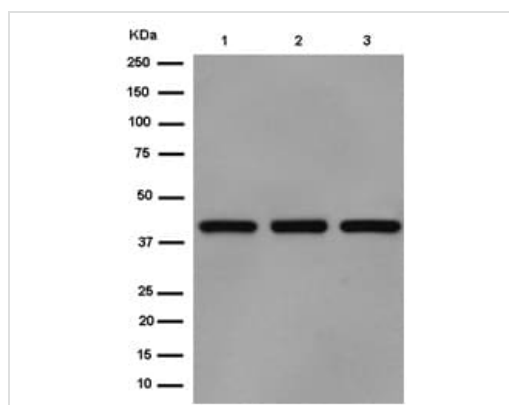
1/2000 respectively and incubated overnight at 4°C. Blots were

developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW)

preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye®

680RD) preadsorbed (**ab216776**) secondary antibodies at

1/10,000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-HDAC8 antibody [EPR10338(2)]
(ab187139)

All lanes : Anti-HDAC8 antibody [EPR10338(2)] (ab187139) at

1/50000 dilution

Lane 1 : K562 cell lysate

Lane 2 : Molt4 cell lysate

Lane 3 : HeLa cell lysate

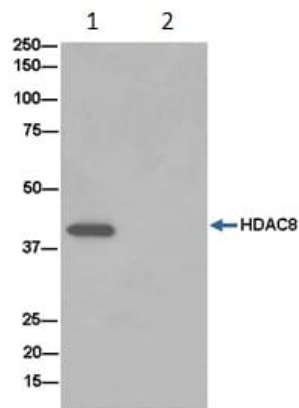
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at

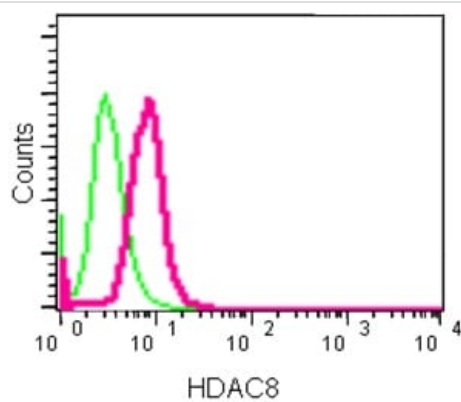
1/1000 dilution

Predicted band size: 42 kDa



Immunoprecipitation - Anti-HDAC8 antibody
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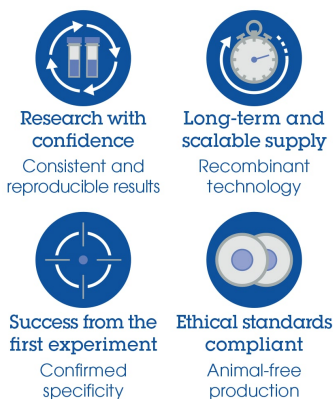
Immunoprecipitation analysis of human fetal kidney tissue lysate labeling HDAC8 using ab187139 at 1/50 dilution (Lane 1). Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 was used as secondary antibody. Lane 2: PBS instead of human fetal kidney tissue lysate.



Flow Cytometry (Intracellular) - Anti-HDAC8 antibody
[EPR10338(2)] (ab187139)

Intracellular Flow Cytometry analysis of K562 cells labeling HDAC8 using ab187139 at 1/150 dilution. A Goat anti rabbit IgG (FITC) at 1/150 dilution was used as secondary antibody. Cells were fixed with 2% paraformaldehyde. Isotype control: Rabbit monoclonal IgG.

Why choose a recombinant antibody?



Anti-HDAC8 antibody [EPR10338(2)] (ab187139)

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