


Anti-HDAC2 antibody ab137364

★★★★☆ [3 Abreviews](#) [4 References](#) [4 图像](#)

概述

产品名称	Anti-HDAC2抗体
描述	兔多克隆抗体to HDAC2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Chicken, Cow, Xenopus laevis, Xenopus tropicalis 
免疫原	Recombinant fragment, corresponding to a region within amino acids 145-409 of Human HDAC2.
阳性对照	293T, Raji, A431, H1299, HepG2, HeLa, MOLT4 and Mouse brain whole cell lysates; HeLa cells; Human Cal27 Xenograft tissue.
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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
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ab137364于以下的经测试应用

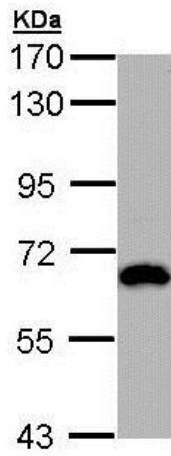
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (2)	1/500 - 1/3000. Predicted molecular weight: 55 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval using heat mediated Tris-EDTA buffer (pH8.0) is also possible.
ICC/IF		1/100 - 1/1000.

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

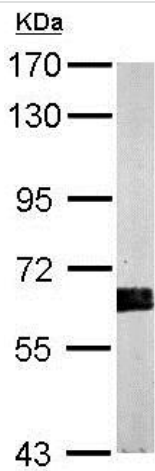


Western blot - Anti-HDAC2 antibody (ab137364)

Anti-HDAC2 antibody (ab137364) at 1/1000 dilution + Raji whole cell lysate at 30 μ g

Predicted band size: 55 kDa

7.5% SDS PAGE

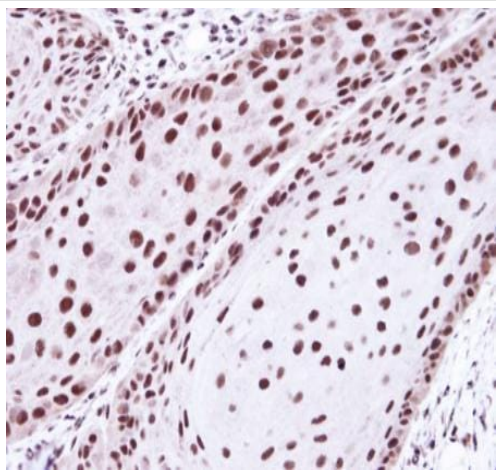


Western blot - Anti-HDAC2 antibody (ab137364)

Anti-HDAC2 antibody (ab137364) at 1/1000 dilution + Mouse brain whole cell lysate at 50 μ g

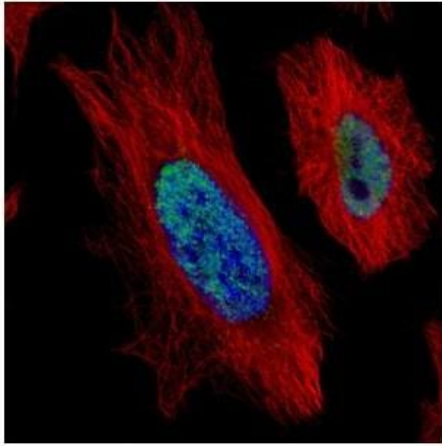
Predicted band size: 55 kDa

7.5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC2 antibody (ab137364)

Immunohistochemical analysis of paraffin-embedded Human Cal27 Xenograft tissue labelling HDAC2 with ab137364 at 1/100 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-HDAC2 antibody (ab137364)

Confocal immunofluorescence analysis of paraformaldehyde-fixed HeLa cells labelling HDAC2 with ab137364 (green) at 1/500 dilution. Alpha-tubulin filaments were labeled with an anti-alpha tubulin antibody (red) at 1/2500.

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