

Product datasheet

Anti-HDAC2 antibody ab90505

1 图像

概述

产品名称	Anti-HDAC2抗体
描述	兔多克隆抗体to HDAC2
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to 12 amino acids at C terminus -SwissProt:Q92769 (Human)
阳性对照	HeLa cell lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 50% Glycerol, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab90505** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/1000. 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.

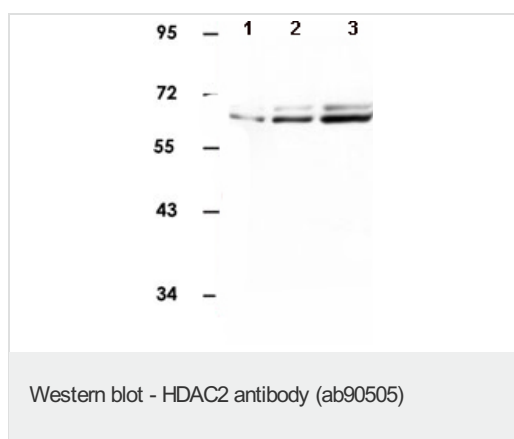
翻译后修饰

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.

Anti-HDAC2 antibody 图像



All lanes : Anti-HDAC2 antibody (ab90505)
at 1/1000 dilution

Lane 1 : HeLa cell lysate at 3 µg

Lane 2 : HeLa cell lysate at 10 µg

Lane 3 : HeLa cell lysate at 30 µg

Predicted band size : 55 kDa

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