

Recombinant Human HDAC2 protein ab101662

2 图像

描述

产品名称	重组人HDAC2蛋白
纯度	> 70 % SDS-PAGE. The purity of ab101662 was determined to be >70% by densitometry. Affinity purified.
表达系统	Baculovirus infected insect cells
Accession	<u>Q92769</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	92 kDa including tags
氨基酸	1 to 488

技术指标

Our **Abpromise guarantee** covers the use of **ab101662** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Western blot Functional Studies
形式	Liquid

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
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常规信息

功能	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones
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(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.

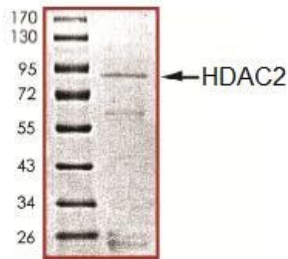
翻译后修饰

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

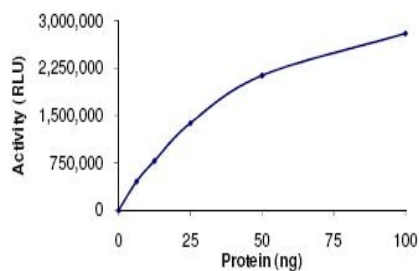
Nucleus.

图片



SDS-PAGE - Recombinant Human HDAC2 protein (ab101662)

The purity of ab101662 was determined to be >70% as determined by densitometry. Approximate molecular weight is ~92 kDa (with tag).



Functional Studies - Recombinant Human HDAC2 protein (ab101662)

The specific activity of ab101662 was determined to be 4180 RLU/min/ng.

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

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