

# HDAC4 overexpression 293T lysate (whole cell) ab94172

## 2 图像

### 概述

产品名称	HDAC4 overexpression 293T裂解物(whole cell)
常规说明	ab94172 is a 293T cell transfected lysate in which Human HDAC4 has been transiently over-expressed using a pCMV-HDAC4 plasmid. The lysate is provided in 1X Sample Buffer.
经测试应用	适用于: WB

### 性能

Mycoplasma free	Yes
形式	Liquid
存放说明	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
背景	Disease: Defects in HDAC4 are the cause of brachydactyly-mental retardation syndrome (BDMR) [MIM:600430]. A syndrome resembling the physical anomalies found in Albright hereditary osteodystrophy. Common features are mild facial dysmorphism, congenital heart defects, distinct brachydactyly type E, mental retardation, developmental delay, seizures, autism spectrum disorder, and stocky build. Soft tissue ossification is absent, and there are no abnormalities in parathyroid hormone or calcium metabolism. Domain: The nuclear export sequence mediates the shuttling between the nucleus and the cytoplasm. Function: 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. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. PTM: Phosphorylated by CaMK4 at Ser-246, Ser-467 and Ser-632. Phosphorylation at other residues is required for the interaction with 14-3-3. Sumoylation on Lys-559 is promoted by the E3 SUMO-protein ligase RANBP2, and prevented by phosphorylation by CaMK4. Similarity: Belongs to the histone deacetylase family. HD type 2 subfamily. Tissue specificity: Ubiquitous.

### 应用

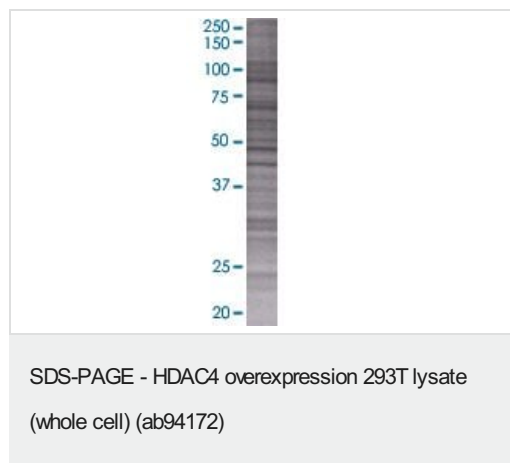
The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab94172 于以下的经测试应用

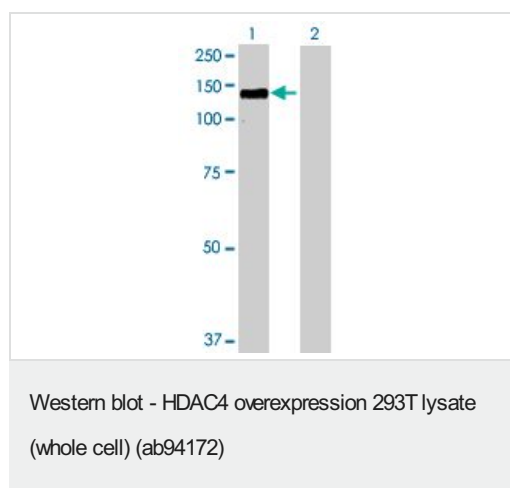
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent dilution.

## 图片



ab94172 at 15µg/lane on an SDS-PAGE gel.



**All lanes :** Anti-HDAC4 antibody ([ab76884](#)) at 1/500 dilution

**Lane 1 :** HDAC4 overexpression 293T lysate (whole cell) (ab94172)

**Lane 2 :** 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes :** Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

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

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