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Zuschläge

- Mindermengenzuschlag
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- Gefahrgutzuschlag
- Expressversand

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HDAC8 (h2): 293T Lysate: sc-177327

BACKGROUND

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (p300/CBP-associated factor), p300/CBP, HAT1 and the TFIID subunit TAF II p250. Mammalian HDAC8, isolated from human kidney, is a histone deacetylase that shares homology to other HDACs but has different tissue distribution. HDAC8 is localized to the nucleus and plays a role in the development of a broad range of tissues and in the etiology of cancer.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HDAC8 (human) mapping to Xq13.1.

PRODUCT

HDAC8 (h2): 293T Lysate represents a lysate of human HDAC8 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

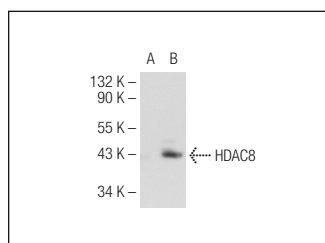
APPLICATIONS

HDAC8 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive HDAC8 antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

HDAC8 (HDAC8-48): sc-56687 is recommended as a positive control antibody for Western Blot analysis of enhanced human HDAC8 expression in HDAC8 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



HDAC8 (HDAC8-48): sc-56687. Western blot analysis of HDAC8 expression in non-transfected: sc-117752 (A) and human HDAC8 transfected: sc-177327 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.