



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HDAC1, Human. Rabbit Polyclonal Antibody

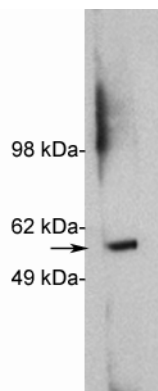
BACKGROUND

Acetylation of the tail of histone is known to cause chromatin to adopt a more 'open' 3D conformation, allowing trans factors greater access to DNA. Histone acetyltransferases (HATs), complexes interact with sequence-specific activator proteins and target specific genes. In addition to histones, HATs acetylate non-histone proteins, implicating them in a wide variety of regulatory roles for these enzymes. By comparison, histone deacetylation promotes a more 'closed' chromatin conformation and in general leads to repression of gene activity. Mammalian histone deacetylases are divided into three classes on the basis of their similarity to various the yeast deacetylases. Class I (HDACs 1, 2, 3 and 8) related to the yeast Rpd3-like proteins, class II (HDACs 4, 5, 6, 7, 9 and 10) related to yeast Hda1-like proteins and class III related to the yeast protein Sir2. Inhibitors of HDAC have enormous potential as cancer therapeutic agents.

IMMUNOGEN

Synthetic peptide derived from the human histone deacetylase 1 protein.

Western blot using Exalpha's X1879P, rabbit polyclonal at 1 ug/ml on HeLa cell extract (20 ug/lane). Blots were developed with goat anti-rabbit Ig (1:75k) and Pierce's Supersignal West Femto system.



ORDERING INFORMATION

CATALOG NUMBER
X1879P

SIZE
100 µg

FORM
Unconjugated

HOST/CLONE
Rabbit

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
IgG

APPLICATIONS
Western Blot

SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human Q13547

POSITIVE CONTROL/TISSUE EXPRESSION

Antibody tested using HeLa cell lysate.

COMMENTS

Antibody can be used for Western blotting (1-5 µg/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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7. Curr Drug Targets. 2006 Nov ;7(11):1553-60: The role of NAD+ dependent histone deacetylases (sirtuins) in ageing. Johannes Trapp, Manfred Jung
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PRODUCT SPECIFIC REFERENCES