

Recombinant Human HDAC3 protein ab82071

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human HDAC3 protein
Biological activity	1 unit equals 1 nanogram of purified protein.
Purity	> 95 % SDS-PAGE. Affinity purified
Expression system	Baculovirus infected insect cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab82071** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid
Additional notes	1 unit equals 1 nanogram of purified protein.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.9 Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol (glycerin, glycerine)
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General Info

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.
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Histone deacetylases act via the formation of large multiprotein complexes. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.

Tissue specificity

Widely expressed.

Sequence similarities

Belongs to the histone deacetylase family, HD type 1 subfamily.

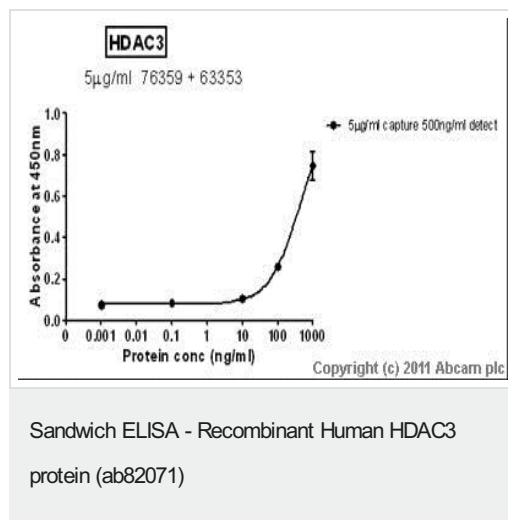
Post-translational modifications

Sumoylated in vitro.

Cellular localization

Nucleus.

Images



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