abcam

Product datasheet

Recombinant HDAC3+NCOR2 complex protein ab42631

1 References

Description

Product name	Recombinant HDAC3+NCOR2 complex protein
Biological activity	Activity: 110 U/ug. One U =1 pmol/min, Assay condition: 25 mM Tris/Cl, pH8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl2, and 0.1 mg/ml BSA, 30 uM Biomol substrate (Catalog number KI177), and 1 ng/ul HDAC3/NcoR2. Incubation condition: 30 min at 37ºC.
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected insect cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant

Specifications

Our **Abpromise guarantee** covers the use of **ab42631** in the following tested applications.

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

Applications	Inhibition Assay
Form	Liquid
Additional notes	Co-expressed in a Baculovirus infected Sf9 cell expression system.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.614% Glutathione, 0.79% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.8004% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

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. 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.

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