

Product datasheet

Anti-HDAC3 antibody [NOTGIVEN] - C-terminal  
ab231909

1 Image

Overview

---

<b>Product name</b>	Anti-HDAC3 antibody [NOTGIVEN] - C-terminal
<b>Description</b>	Mouse monoclonal [NOTGIVEN] to HDAC3 - C-terminal
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ChIP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human HDAC3 (C terminal) conjugated to keyhole limpet haemocyanin. Database link: <a href="#">O15379</a>
<b>Positive control</b>	ChIP: HeLa cells.

Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide
<b>Purity</b>	Concentrated Culture Supernatant
<b>Purification notes</b>	Concentrated supernatant from a mouse hybridoma cell culture.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	NOTGIVEN
<b>Isotype</b>	IgG1

Applications

---

Our [Abpromise guarantee](#) covers the use of **ab231909** in the following tested applications.

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

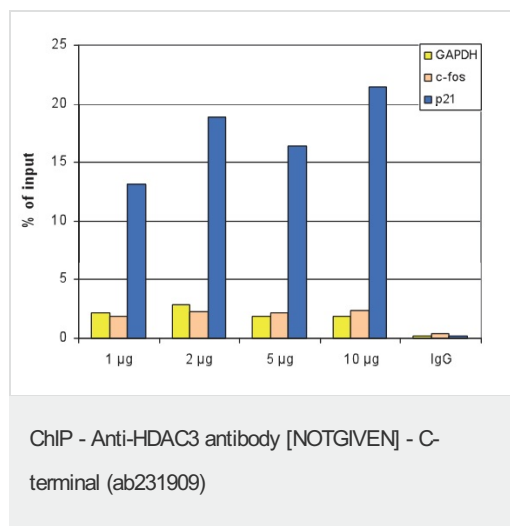
Application	Abreviews	Notes
-------------	-----------	-------

ChIP  
 Use at an assay dependent concentration.  
 5 µl/ChIP reaction.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Widely expressed.
<b>Sequence similarities</b>	Belongs to the histone deacetylase family, HD type 1 subfamily.
<b>Post-translational modifications</b>	Sumoylated in vitro.
<b>Cellular localization</b>	Nucleus.

## Images



ChIP assays were performed using HeLa (Human epithelial cell line from cervix adenocarcinoma) cells, ab231909 and optimized PCR primer sets for qPCR.

ChIP was performed on sheared chromatin from 10,000 cells using the SX-8G IP-Star automated system. Respectively, 5 µl of ab231909 and 5 µg of IgG (negative IP control) were used.

QPCR was performed with primers for the promoters of the active genes c-fos and GAPDH, and for the coding region of p21, a known target gene of HDAC3. Image shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors