


Product datasheet

Anti-HDAC3 antibody - C-terminal ab137704

3 Images

Overview

<b>Product name</b>	Anti-HDAC3 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to HDAC3 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow, Xenopus tropicalis 
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the C terminal amino acids 361-428 of the Human HDAC3 protein (O15379).
<b>Positive control</b>	WB: 293T, A431, H1299, HeLaS3, HepG2, Molt-4, and Raji whole cell lysate. IF: HeLa cells. IHC-P: SW480 xenograft.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab137704** in the following tested applications.

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

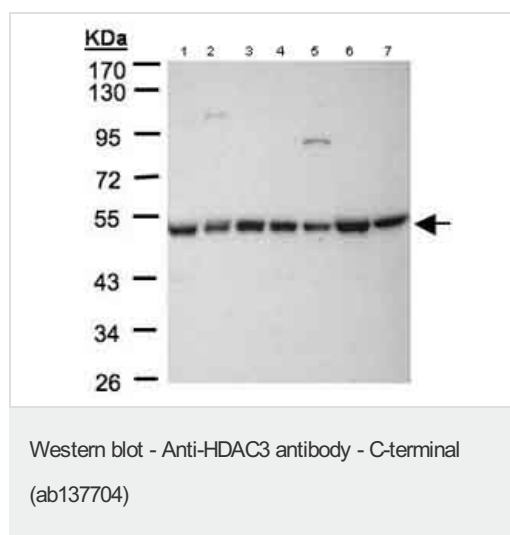
Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 48 kDa.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

## 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



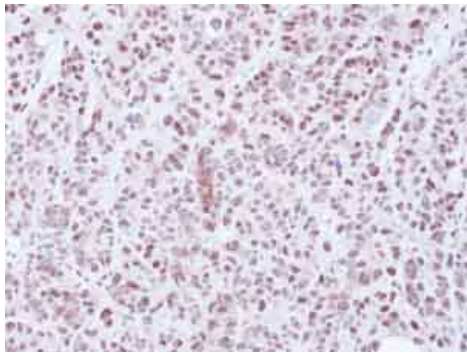
**All lanes :** Anti-HDAC3 antibody - C-terminal (ab137704) at 1/1000 dilution

- Lane 1 :** 293T whole cell lysate
- Lane 2 :** A431 whole cell lysate
- Lane 3 :** H1299 whole cell lysate
- Lane 4 :** HeLa S3 whole cell lysate
- Lane 5 :** Hep G2 whole cell lysate
- Lane 6 :** MOLT4 whole cell lysate
- Lane 7 :** Raji whole cell lysate

Lysates/proteins at 30 µg per lane.

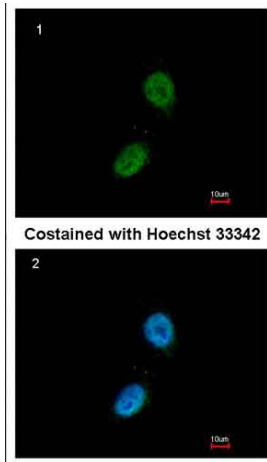
**Predicted band size:** 48 kDa

10% SDS PAGE



Immunohistochemistry analysis of paraffin-embedded SW480 xenograft labelling FGFR3 with ab137704 at 1/500.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC3 antibody - C-terminal (ab137704)



Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells labelling HDAC3 with ab137704 at 1/200.

Immunocytochemistry/ Immunofluorescence - Anti-HDAC3 antibody - C-terminal (ab137704)

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

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