

## Product datasheet

# Anti-HDAC10 antibody [EPR3576] ab108934

Recombinant RabMAb

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

### Overview

<b>Product name</b>	Anti-HDAC10 antibody [EPR3576]
<b>Description</b>	Rabbit monoclonal [EPR3576] to HDAC10
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC <b>Unsuitable for:</b> Flow Cyt or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide within Human HDAC10 aa 350-450. The exact sequence is proprietary.
<b>Positive control</b>	HeLa, 293T, Jurkat, HepG2, A673 and NIH/3T3 cell lysates
<b>General notes</b>	Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

<b>Storage buffer</b>	pH: 7.20 Constituents: 0.35% Sodium citrate, 0.17% Sodium chloride, 0.03% EDTA, 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR3576
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab108934** in the following tested applications.

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

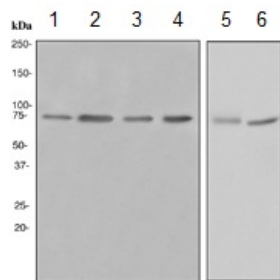
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 75 kDa.
IP		1/10 - 1/100.
ICC		1/100 - 1/250.

**Application notes**                      Is unsuitable for Flow Cyt or IHC-P.

## 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.
<b>Tissue specificity</b>	Ubiquitous. High expression in liver, spleen, pancreas and kidney.
<b>Sequence similarities</b>	Belongs to the histone deacetylase family. HD type 2 subfamily.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Excluded from the nucleoli.

## Images



Western blot - Anti-HDAC10 antibody [EPR3576]  
(ab108934)

**All lanes** : Anti-HDAC10 antibody [EPR3576] (ab108934) at 1/1000 dilution

**Lane 1** : HeLa cell lysate

**Lane 2** : 293T cell lysate

**Lane 3** : Jurkat cell lysate

**Lane 4** : HepG2 cell lysate

**Lane 5** : A673 cell lysate

**Lane 6** : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 75 kDa

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

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