

Product datasheet

Anti-HDAC6 antibody [EPR6160] ab133539

Recombinant RabMAb

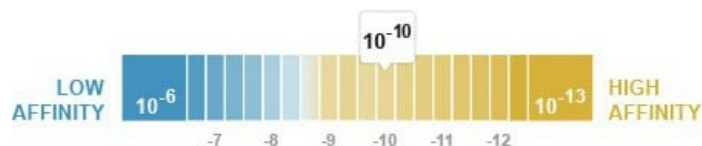
[2 References](#) [3 Images](#)

Overview

Product name	Anti-HDAC6 antibody [EPR6160]
Description	Rabbit monoclonal [EPR6160] to HDAC6
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human HDAC6 aa 1000-1100. The exact sequence is proprietary.
Positive control	293T, HepG2, and K562 cell lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Dissociation constant (K_D)	K _D = 5.31 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR6160
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133539 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: 131 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

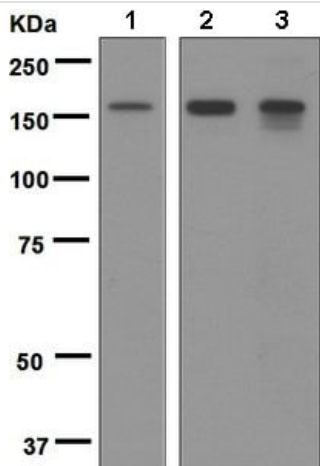
Function Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.

Sequence similarities Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.

Post-translational modifications Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.

Cellular localization Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

Images



Western blot - Anti-HDAC6 antibody [EPR6160]
(ab133539)

All lanes : Anti-HDAC6 antibody [EPR6160] (ab133539) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : HepG2 cell lysate

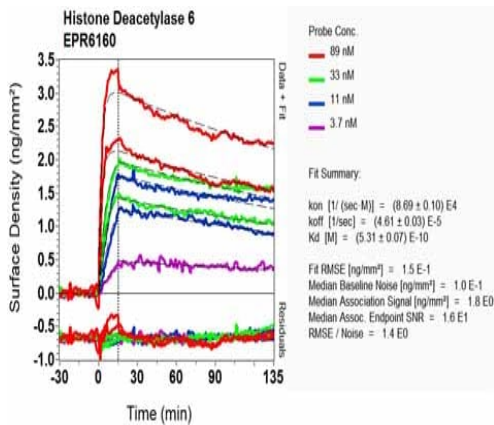
Lane 3 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 131 kDa



SPR Scanning - Anti-HDAC6 antibody [EPR6160]
(ab133539)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-HDAC6 antibody [EPR6160] (ab133539)

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

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