

Anti-HDAC10 antibody [EPR3576] ab108934

重组 RabMAb

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概述

产品名称	Anti-HDAC10抗体[EPR3576]
描述	兔单克隆抗体[EPR3576] to HDAC10
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, ICC/IF 不适用于: IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IP: HeLa cells WB: N-terminal GST-tagged human HDAC10 recombinant protein fragment; human 293T cells; HeLa whole cell lysate Flow Cyt (intra): HeLa cells ICC/IF: Jurkat cells
常规说明	<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>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 EPR3576

同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab108934于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/200.
WB		1/1000. Predicted molecular weight: 75 kDa.
IP		1/100.
ICC/IF		1/200.

应用说明 Is unsuitable for IHC-P.

靶标

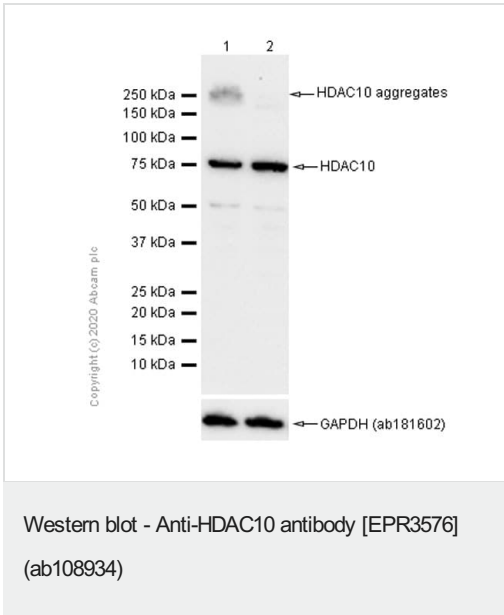
功能 Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases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

组织特异性 Ubiquitous. High expression in liver, spleen, pancreas and kidney.

序列相似性 Belongs to the histone deacetylase family. HD type 2 subfamily.

细胞定位 Cytoplasm. Nucleus. Excluded from the nucleoli.

图片



All lanes : Anti-HDAC10 antibody [EPR3576] (ab108934) at 1/5000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate boiled

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate unboiled

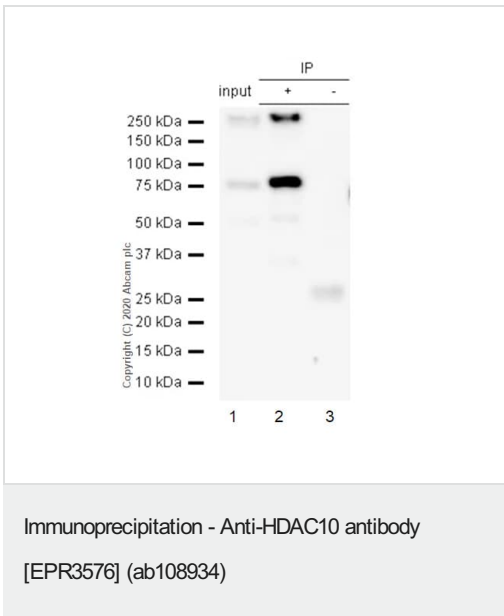
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 75 kDa

The unboiled lysate is recommended in order to prevent the aggregation of proteins.



Purified ab108934 at 1/100 dilution (2µg) immunoprecipitating HDAC10 in HeLa whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg

Lane 2 (+): ab108934 + HeLa whole cell lysate.

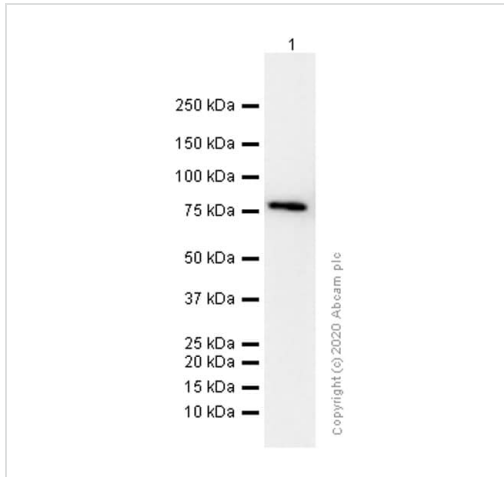
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab108934 in HeLa whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 75 kDa



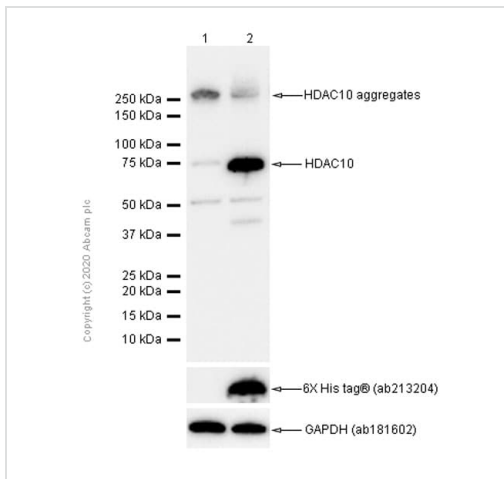
Western blot - Anti-HDAC10 antibody [EPR3576] (ab108934)

Anti-HDAC10 antibody [EPR3576] (ab108934) at 1/1000 dilution (Purified) + N-terminal GST-tagged human HDAC10 recombinant protein fragment (aa 1 to 482)

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 75 kDa



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

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

Lane 1 : 293T (Human embryonic kidney epithelial cell) transfected with the empty vector containing the myc-His-tag®

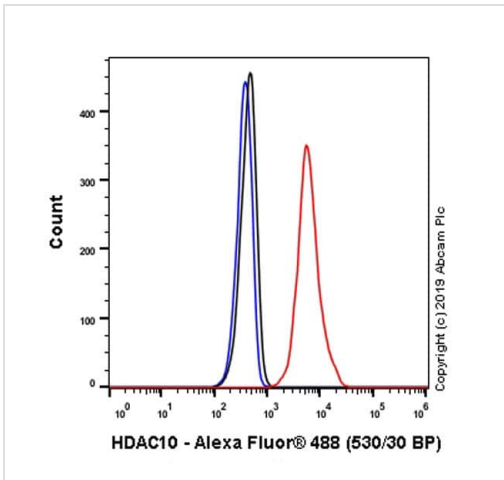
Lane 2 : 293T (Human embryonic kidney epithelial cell) transfected with human HDAC10 expression vector containing the myc-His-tag®

Lysates/proteins at 20 µg per lane.

Secondary

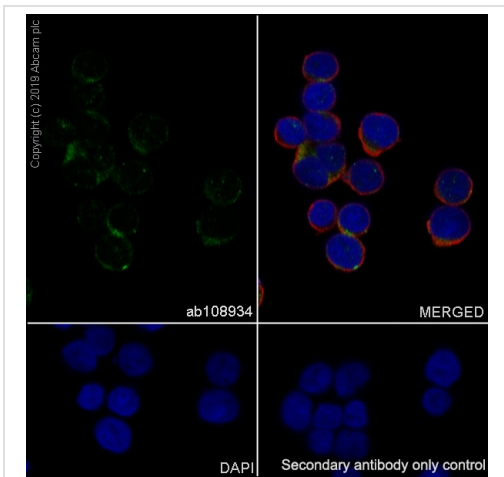
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 75 kDa



Flow Cytometry (Intracellular) - Anti-HDAC10 antibody [EPR3576] (ab108934)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling HDAC10 with Purified ab108934 at 1/200 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-HDAC10 antibody [EPR3576] (ab108934)

Immunocytochemistry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling HDAC10 with Purified ab108934 at 1:200 dilution (8.75 µg/ml). Cells were fixed in 100% Methanol and permeabilized with None. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

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-HDAC10 antibody [EPR3576] (ab108934)

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