

Anti-HDAC10 antibody [EPR3576] ab108934

リコンビナント RabMAb[®]

5 References [画像数 7](#)

製品の概要

製品名	Anti-HDAC10 antibody [EPR3576]
製品の詳細	Rabbit monoclonal [EPR3576] to HDAC10
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IP, ICC/IF 適用なし: IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	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
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EPR3576
アイソタイプ IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab108934の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/200.
WB		1/1000. Predicted molecular weight: 75 kDa.
IP		1/100.
ICC/IF		1/200.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

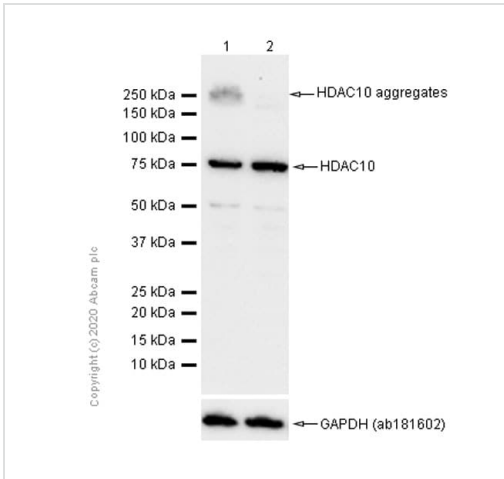
機能 Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases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

組織特異性 Ubiquitous. High expression in liver, spleen, pancreas and kidney.

配列類似性 Belongs to the histone deacetylase family. HD type 2 subfamily.

細胞内局在 Cytoplasm. Nucleus. Excluded from the nucleoli.

画像



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

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

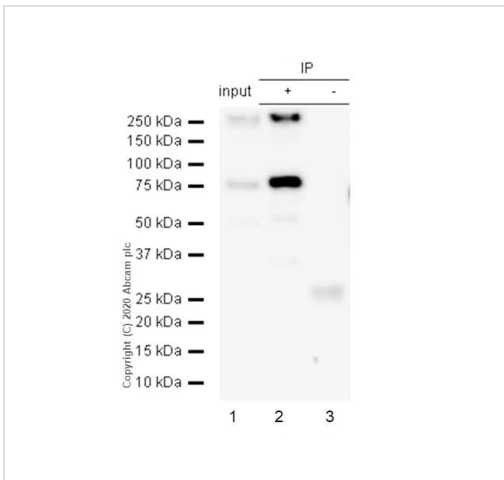
Lysates/proteins at 20 µg per lane.

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.



Immunoprecipitation - Anti-HDAC10 antibody [EPR3576] (ab108934)

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.

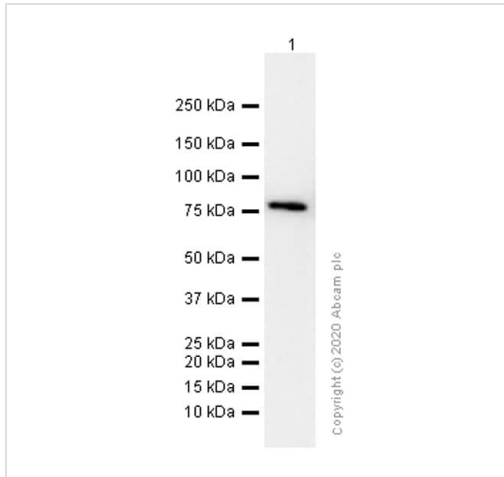
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab108934 in HeLa whole cell lysate.

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



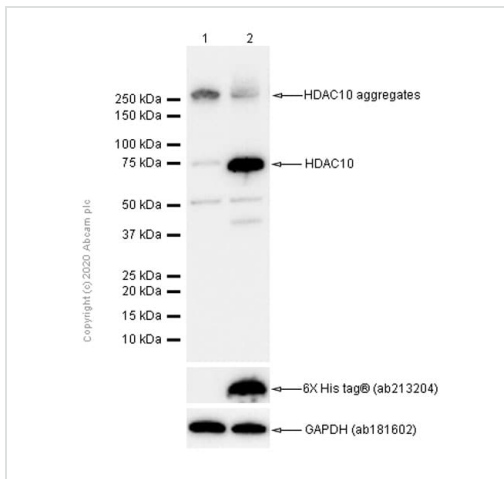
Western blot - Anti-HDAC10 antibody [EPR3576] (ab108934)

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®

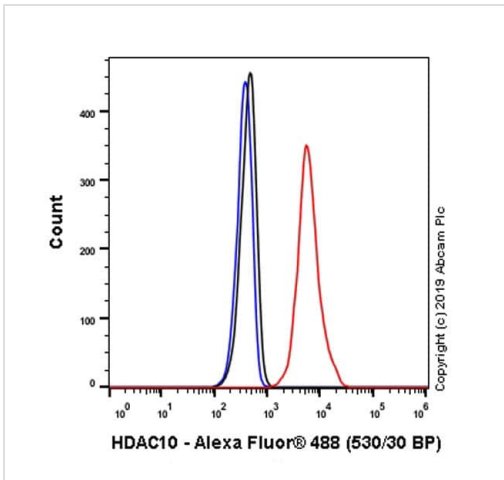
Lane 2 : 293T (Human embryonic kidney epithelial cell) transfected with human HDAC10 expression vector containing the myc-His-tag®

Lysates/proteins at 20 µg per lane.

Secondary

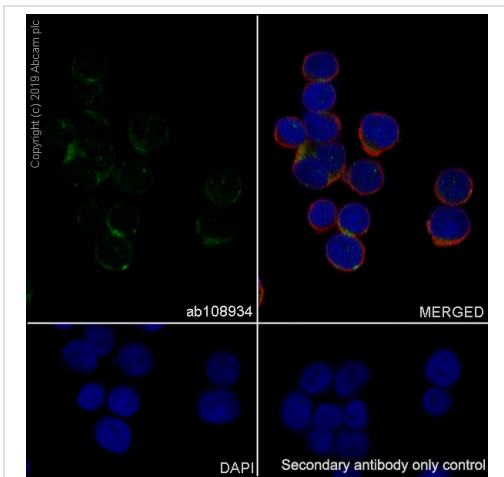
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

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)

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

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