

Anti-HDAC3 antibody [Y415] ab32369

リコンビナント **RabMAb**

★★★★★ **6 Abreviews** **49 References** 画像数 9

製品の概要

製品名	Anti-HDAC3 antibody [Y415]
製品の詳細	Rabbit monoclonal [Y415] to HDAC3
由来種	Rabbit
特異性	This antibody may detect splice isoform 2 (RPD3-2A).
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human HDAC3 (C terminal). The exact sequence is proprietary. (Peptide available as ab221015)
ポジティブ・コントロール	K562 cell lysate; HeLa cells; human ovary carcinoma
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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.12% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	Y415

アイソタイプIgG

アプリケーション

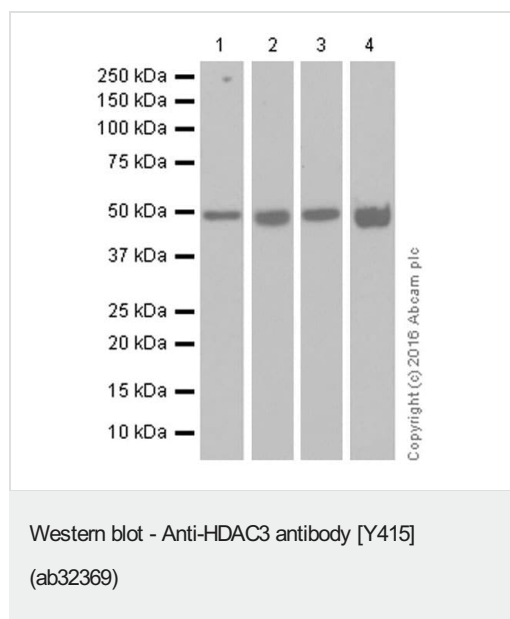
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab32369の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/30.
WB	★★★★★ (3)	1/5000 - 1/10000. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).
IHC-P	★★★★☆ (3)	1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For unpurified use at 1/250 - 1/500. See <u>IHC antigen retrieval protocols.</u>
ICC/IF		1/250 - 1/500.
IP		1/20 - 1/50.

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. 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.
組織特異性	Widely expressed.
配列類似性	Belongs to the histone deacetylase family. HD type 1 subfamily.
翻訳後修飾	Sumoylated in vitro.
細胞内局在	Nucleus.

画像



All lanes : Anti-HDAC3 antibody [Y415] (ab32369) at 1/5000 dilution

Lane 1 : K562 (human chronic myelogenous leukemia) whole cell lysate

Lane 2 : HeLa (human cervix adenocarcinoma) whole cell lysate

Lane 3 : NIH/3T3 (mouse embryo) whole cell lysate

Lane 4 : C6 (rat glioma) whole cell lysate

Lysates/proteins at 20 µg per lane.

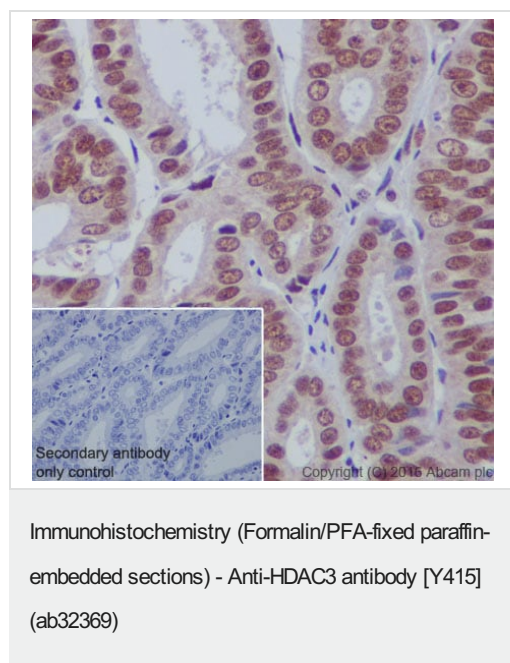
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

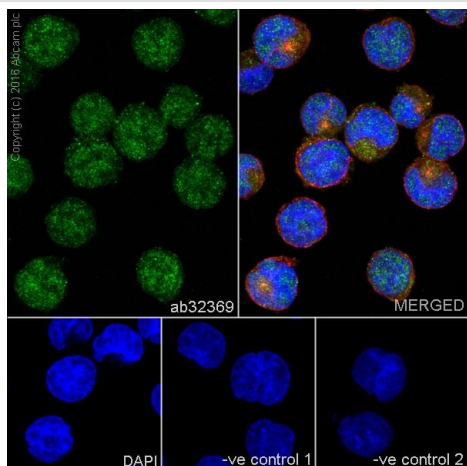
Predicted band size: 49 kDa

Observed band size: 49 kDa

Blocking/Diluting buffer 5% NFDM/TBST



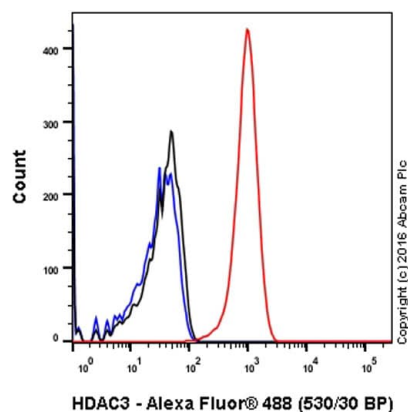
Immunohistochemical analysis of paraffin-embedded human endometrial carcinoma sections labelling HDAC3 with purified ab32369 at dilution of 1:50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.



Immunocytochemistry/ Immunofluorescence - Anti-HDAC3 antibody [Y415] (ab32369)

Immunocytochemistry/Immunofluorescence analysis of K562 cells labelling HDAC3 with purified ab32369 at 1/500. Cells were fixed with 4% Paraformaldehyde and permeabilized using 0.1% Triton X-100. **ab150077**, Alexa Fluor®488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Cells were co-stained with **ab7291**, a mouse anti-tubulin antibody (1/1000) using **ab150120**, an Alexa Fluor®594-conjugated goat anti-mouse IgG (1/1000) as the secondary. Nuclei were counterstained with DAPI (blue).

For negative control 1, rabbit primary antibody and anti-mouse secondary antibody (**ab150120**) were used and for negative control 2, mouse primary antibody (**ab7291**) and anti-rabbit secondary antibody (**ab150077**) were used.



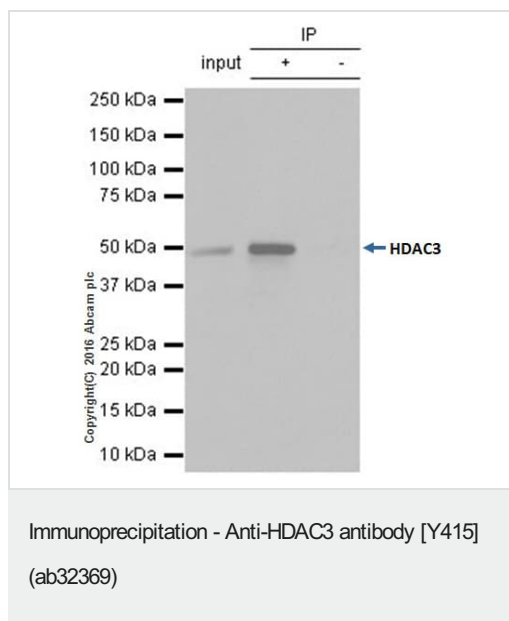
Flow Cytometry (Intracellular) - Anti-HDAC3 antibody [Y415] (ab32369)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling HDAC3 with purified ab32369 at 1/30 dilution (10ug/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor®488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Immunocytochemistry/ Immunofluorescence - Anti-HDAC3 antibody [Y415] (ab32369)

Immunofluorescent staining of HeLa cells using ab32369 at 1/250 dilution



Purified ab32369 at 1/20 immunoprecipitating HDAC3 in K562 whole cell lysate observed at 49 kDa (lanes 1 and 2).

Lane 1 (input): K562 whole cell lysate 10ug

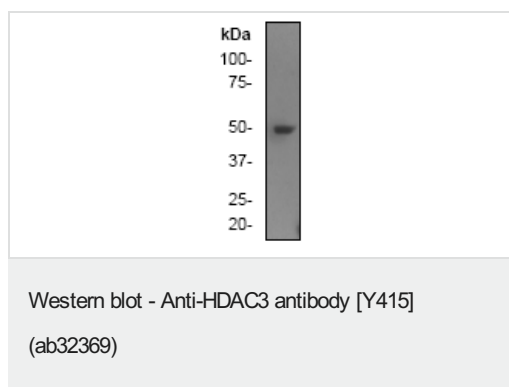
Lane 2 (+): ab32369 + K562 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab32369 in K562 whole cell lysate

The secondary antibody used was VeriBlot for IP Detection

Reagent (HRP) (**ab131366**) for detection at dilution of 1/1000.

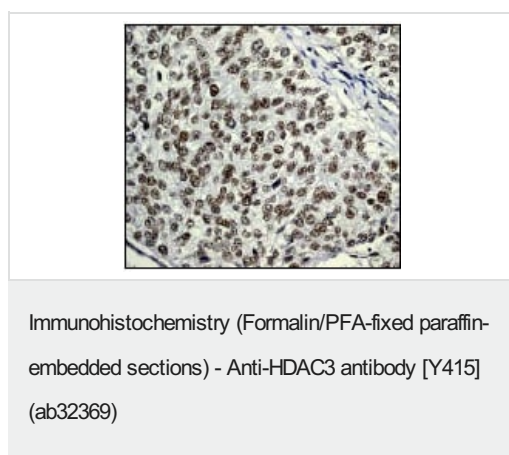
Blocking/Diluting buffer 5% NFDm/TBST.



Anti-HDAC3 antibody [Y415] (ab32369) at 1/10000 dilution + K562 cell lysate

Predicted band size: 49 kDa

Observed band size: 49 kDa



Paraffin-embedded human ovary carcinoma
ab32369 at 1/250 dilution

Perform heat mediated antigen retrieval with citrate buffer pH 6
before commencing with IHC staining protocol.

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-HDAC3 antibody [Y415] (ab32369)

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