


Anti-Histone H1.0 antibody [EPR6537] ab125027

KO 評価済 リコンビナント RabMAb

14 References 画像数 9

製品の概要

製品名	Anti-Histone H1.0 antibody [EPR6537]
製品の詳細	Rabbit monoclonal [EPR6537] to Histone H1.0
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide within Human Histone H1.0 aa 150 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: P07305
ポジティブ・コントロール	WB: A431 and BxPC3 cell lysates, and fetal human lung lysates IHC-P: Human kidney, pancreas, and thyroid tissues. ICC/IF: BxPC-3 and A431 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR6537
アイソタイプ	IgG

アプリケーション

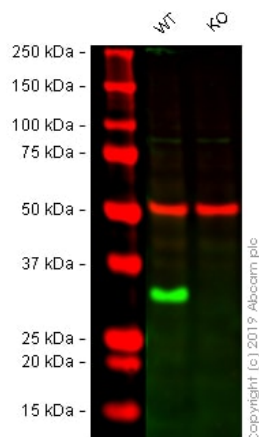
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab125027の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 32 kDa (predicted molecular weight: 21 kDa).
IHC-P		1/100 - 1/400. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

ターゲット情報

機能	Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division.
配列類似性	Belongs to the histone H1/H5 family. Contains 1 H15 (linker histone H1/H5 globular) domain.
翻訳後修飾	Phosphorylated on Ser-17 in RNA edited version.
細胞内局在	Nucleus. Chromosome. The RNA edited version has been localized to nuclear speckles. During mitosis, it appears in the vicinity of condensed chromosomes.

画像



Western blot - Anti-Histone H1.0 antibody
[EPR6537] (ab125027)

All lanes : Anti-Histone H1.0 antibody [EPR6537] (ab125027) at 1/1000 dilution

Lane 1 : Wild-type A431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : H1F0 knockout A431 (Human epidermoid carcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

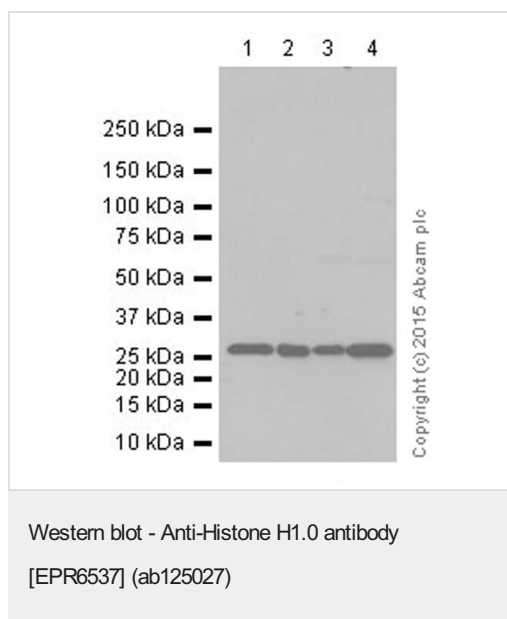
Performed under reducing conditions.

Predicted band size: 21 kDa

Observed band size: 33 kDa

Lanes 1 - 2: Merged signal (red and green). Green - ab125027 observed at 33 kDa. Red - loading control, **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55kDa.

ab125027 was shown to react with H1F0 in A431 wild-type cells in Western blot. Loss of signal was observed when H1F0 knockout sample was used. A431 wild-type and H1F0 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% Milk in TBS-T (0.1% Tween®) before incubation with ab125027 and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-Histone H1.0 antibody [EPR6537] (ab125027) at 10 µg (purified)

Lane 1 : human fetal lung lysate

Lane 2 : BxPC-3 lysate

Lane 3 : A431 lysate

Lane 4 : human fetal kidney lysate

Secondary

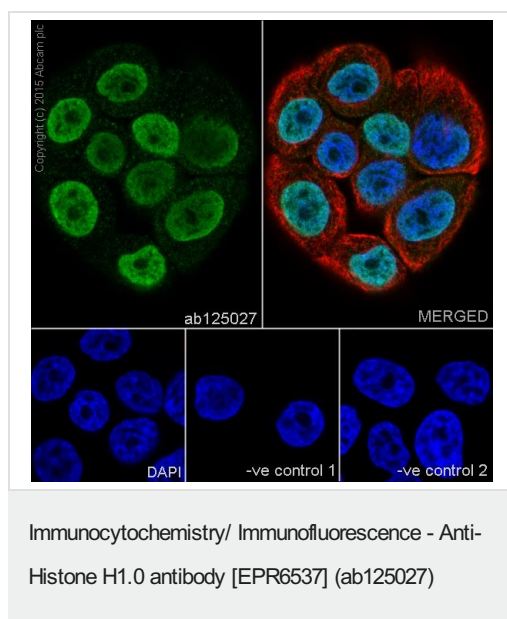
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 21 kDa

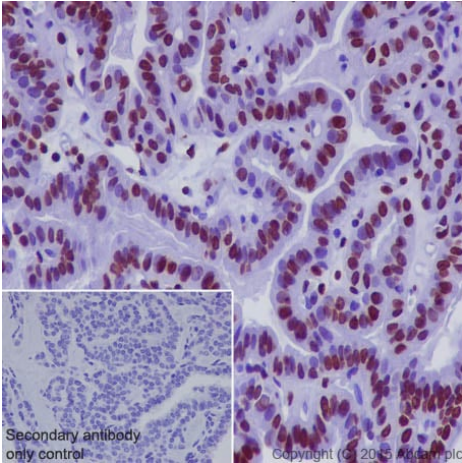
Observed band size: 32 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST

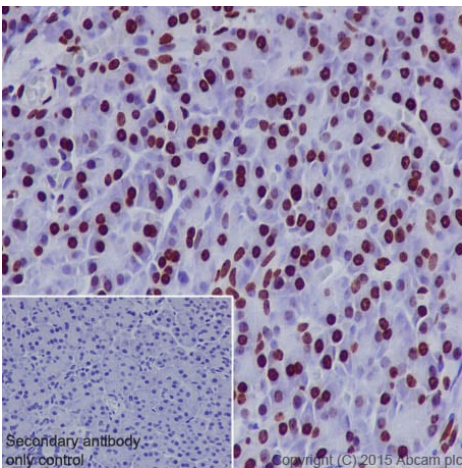


Immunofluorescence staining of BxPC-3 cells with purified ab125027 at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor[®] 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor[®] 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 100% methanol and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab125027 was used at a dilution of 1/500 followed by an Alexa Fluor[®] 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/500. For negative control 2, **ab7291** (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor[®] 488 goat anti-rabbit antibody (**ab150077**) at a dilution of 1/400.



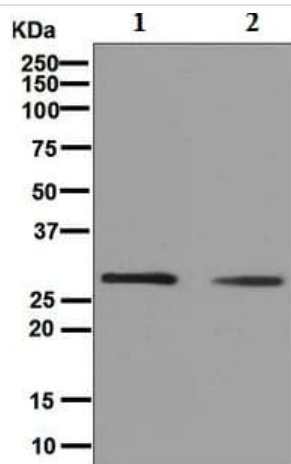
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.0 antibody [EPR6537] (ab125027)

Immunohistochemical staining of paraffin embedded human thyroid carcinoma with purified ab125027 at a working dilution of 1/400. The secondary antibody used is HRP goat anti-rabbit IgG H&L ([ab97051](#)) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.0 antibody [EPR6537] (ab125027)

Immunohistochemical staining of paraffin embedded human pancreas with purified ab125027 at a working dilution of 1/400. The secondary antibody used is HRP goat anti-rabbit IgG H&L ([ab97051](#)) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Western blot - Anti-Histone H1.0 antibody
[EPR6537] (ab125027)

All lanes : Anti-Histone H1.0 antibody [EPR6537] (ab125027) at 1/1000 dilution (unpurified)

Lane 1 : BxPC3 lysates

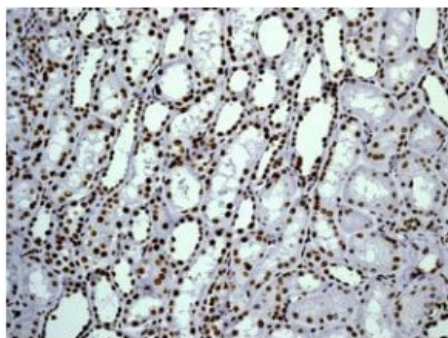
Lane 2 : Human fetal lung lysates

Lysates/proteins at 10 µg per lane.

Secondary

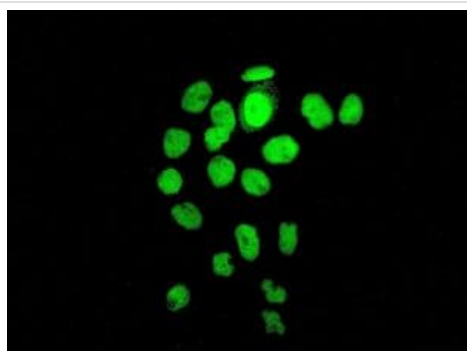
All lanes : HRP labelled goat anti rabbit at 1/2000 dilution

Predicted band size: 21 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.0 antibody
[EPR6537] (ab125027)

Unpurified ab125027, at a 1/100 dilution, staining Histone H1 in paraffin embedded Human kidney tissue by Immunohistochemistry.



Immunocytochemistry/ Immunofluorescence - Anti-Histone H1.0 antibody [EPR6537] (ab125027)

Unpurified ab125027, at a 1/100 dilution, staining Histone H1 in A431 cells by Immunofluorescence.

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-Histone H1.0 antibody [EPR6537] (ab125027)

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