abcam

Product datasheet

Anti-Histone H1.0 antibody [EPR6537] - BSA and Azide free ab248104

KO 評価済 リコンビナント RabMAb

画像数 2

製品の概要

製品名	Anti-Histone H1.0 antibody [EPR6537] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6537] to Histone H1.0 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, ICC/IF, WB
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	WB: A431 cell lysate.
特記事項	ab248104 is the carrier-free version of **ab125027**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - 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. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
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ab248104の使用に適用されます**

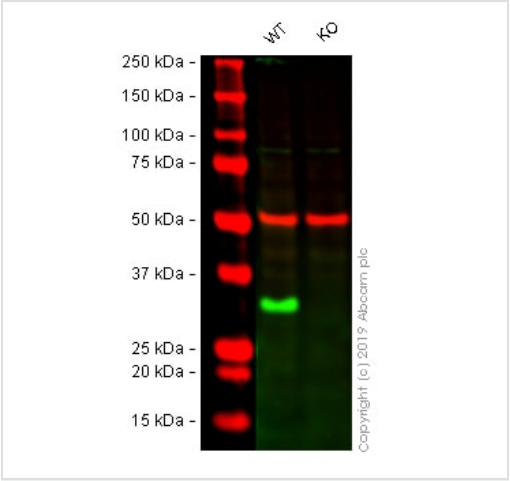
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Antigen retrieval is not essential but may optimise staining.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 32 kDa (predicted molecular weight: 21 kDa).

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] - BSA and Azide free (ab248104)

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.

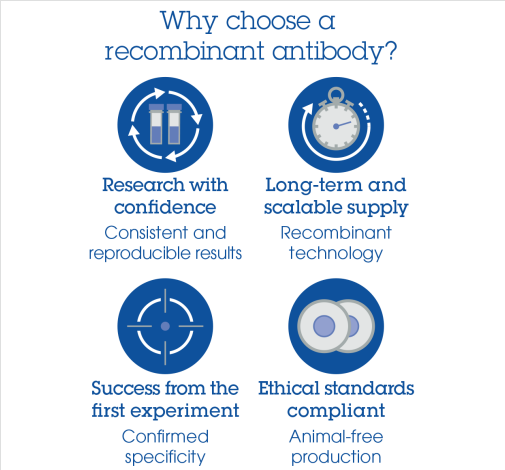
Performed under reducing conditions.

Predicted band size: 21 kDa
Observed band size: 33 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab125027**).

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.



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