

Product datasheet

Anti-CHD4 antibody - ChIP Grade ab72418

16 References [画像数 3](#)

製品の概要

製品名	Anti-CHD4 antibody - ChIP Grade
製品の詳細	Rabbit polyclonal to CHD4 - ChIP Grade
アプリケーション	適用あり: ChIP, IHC-P, WB, IP, IHC-Fr
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide corresponding to a region between residues 25 and 75 of human CHD4 (NP_001264.2)
ポジティブ・コントロール	HeLa, 293T and NIH3T3 whole cell lysates.

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	Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
特記事項(精製)	ab72418 was affinity purified using an epitope specific to CHD4 immobilized on solid support.
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab72418** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

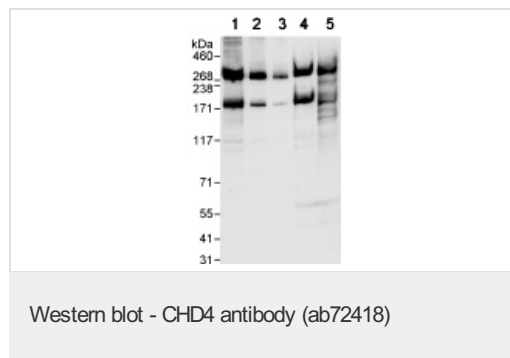
アプリケーション	Abreviews	特記事項
ChIP		Use a concentration of 2 - 20 µg/ml. PubMed: 21670149

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Detects a band of approximately 280 kDa (predicted molecular weight: 218 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-Fr		Use at an assay dependent concentration. PubMed: 23911933

ターゲット情報

機能	Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones.
配列類似性	Belongs to the SNF2/RAD54 helicase family. Contains 2 chromo domains. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 2 PHD-type zinc fingers.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Nucleus. Cytoplasm > cytoskeleton > centrosome. Associates with centrosomes in interphase.

画像



All lanes : Anti-CHD4 antibody - ChIP Grade (ab72418) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell lysate at 50 µg

Lane 5 : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique

Predicted band size : 218 kDa

Observed band size : 280 kDa

Additional bands at : 180 kDa. We are unsure as to the identity of these extra bands.

Exposure time : 10 seconds

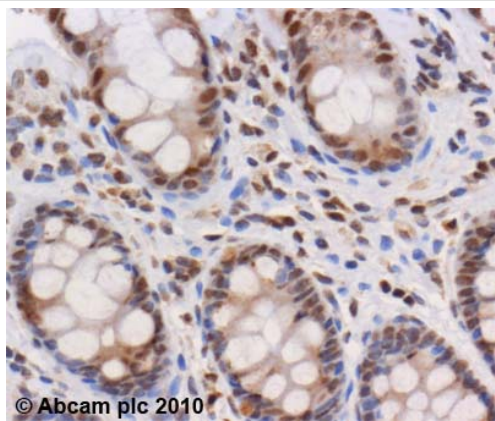


Immunoprecipitation - CHD4 antibody (ab72418)

Detection of CHD4 by Western Blot of Immunoprecipitate.

ab72418 at 0.1 µg/ml staining CHD4 in HeLa whole cell lysate immunoprecipitated using ab72418 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 10 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - CHD4 antibody (ab72418)

ab72418 (1 µg/ml) staining CHD4 in human colon using an automated system (DAKO Autostainer Plus). Using this protocol there is strong nuclear staining within the colonic mucosa.

Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer citrate pH 6.1 in a DAKO PT link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.

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