

Anti-CHD3 antibody [EPNCIR110A] ab109195

敲除验证
重组
RabMAb

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概述

产品名称	Anti-CHD3抗体[EPNCIR110A]
描述	兔单克隆抗体[EPNCIR110A] to CHD3
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF 不适用于: IP
种属反应性	与反应: Rat, Human 预测可用于: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	K562, HeLa, C6, and PC12 cell lysates, Human breast and Human ovary tissues; HeLa cells
常规说明	<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>This antibody was developed as part of a collaboration between Epitomics, the National Cancer Institute's Center for Cancer Research and the lab of Gordon Hager. View antibodies from NCI Center for Cancer Research Collaboration.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified

克隆 单克隆
 克隆编号 EPNCIR110A
 同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab109195于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Detects a band of approximately 260 kDa (predicted molecular weight: 227 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)
ICC/IF		1/100 - 1/250.

应用说明 Is unsuitable for IP.

靶标

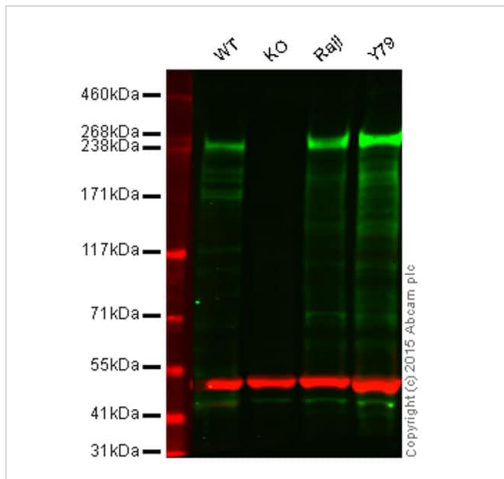
功能 Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity.

组织特异性 Widely expressed.

序列相似性 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.

细胞定位 Nucleus. Cytoplasm > cytoskeleton > centrosome. Associates with centrosomes in interphase and mitosis.

图片



Western blot - Anti-CHD3 antibody [EPNCIR110A] (ab109195)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

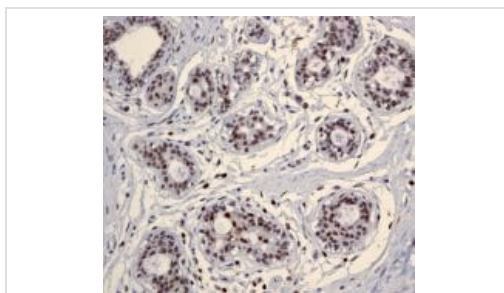
Lane 2: CHD3 knockout HAP1 cell lysate (20 µg)

Lane 3: Raji cell lysate (20 µg)

Lane 4: Y79 cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab109195 observed at 245 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

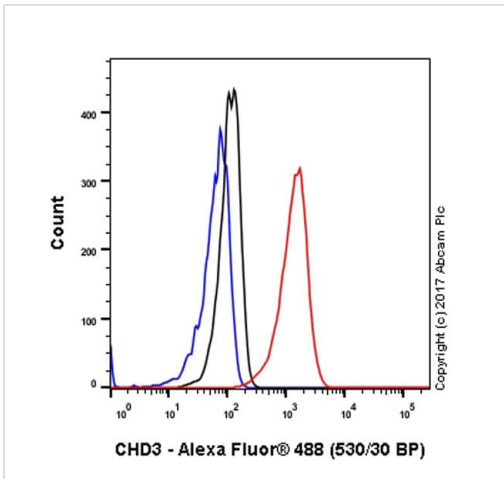
ab109195 was shown to specifically react with CHD3 when CHD3 knockout samples were used. Wild-type and CHD3 knockout samples were subjected to SDS-PAGE. ab109195 and **ab8245** (loading control to GAPDH) were diluted 1/1000 and 1/2000 and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10000 dilution for 1 h at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CHD3 antibody [EPNCIR110A] (ab109195)

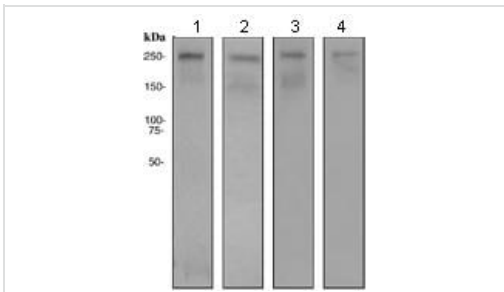
Immunohistochemical staining of paraffin-embedded Human breast tissue using ab109195 at a dilution of 1/100.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-CHD3 antibody [EPNCIR110A] (ab109195)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling CHD3 with purified ab109195 at 1/230 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) (**ab172730**) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Western blot - Anti-CHD3 antibody [EPNCIR110A] (ab109195)

All lanes : Anti-CHD3 antibody [EPNCIR110A] (ab109195) at 1/1000 dilution

Lane 1 : K562 cell lysate

Lane 2 : HeLa cell lysate

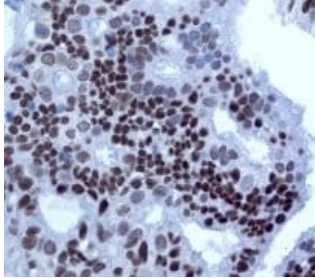
Lane 3 : C6 cell lysate

Lane 4 : PC12 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 227 kDa

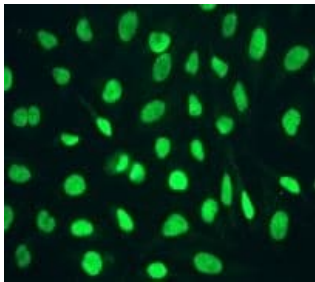
Observed band size: 260 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CHD3 antibody [EPNCIR110A] (ab109195)

Immunohistochemical staining of paraffin-embedded Human ovary tissue using ab109195 at a dilution of 1/100.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-CHD3 antibody [EPNCIR110A] (ab109195)

Immunofluorescent staining of HeLa cells using ab109195 at a dilution of 1/100.

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-CHD3 antibody [EPNCIR110A] (ab109195)

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

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