

Anti-HNF-4-alpha antibody [EPR19265-130] - CHIP Grade ab200142

重组 RabMAb

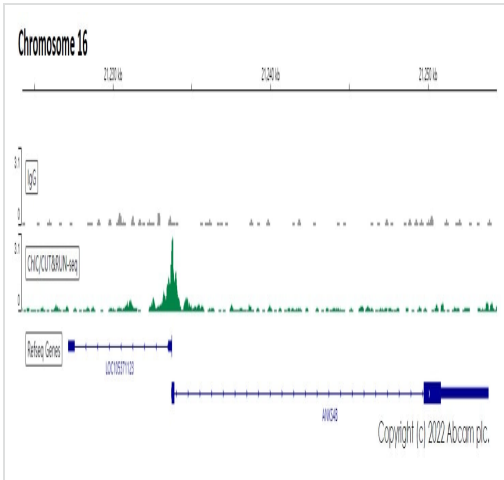
[1 Abreviews](#) [2 References](#) [8 图像](#)

概述

产品名称	Anti-HNF-4-alpha抗体[EPR19265-130] - CHIP Grade
描述	兔单克隆抗体[EPR19265-130] to HNF-4-alpha - CHIP Grade
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, ChIP, IP, Flow Cyt (Intra), ChIC/CUT&RUN-seq
种属反应性	与反应: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human colon and fetal liver tissue lysates; HepG2, Caco-2 and SW480 whole cell lysates. ICC/IF: HepG2 and SW480 cells. Flow Cyt (intra): HepG2 cells. ChIP: HepG2 cells. IP: HepG2 whole cell lysate. ChIC/CUT&RUN-Seq: HepG2 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>

性能

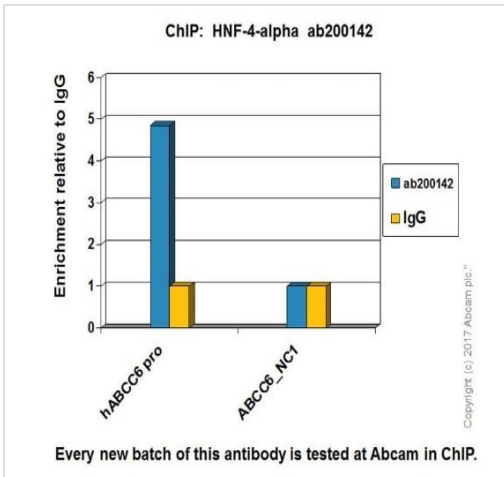
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>
纯度	Protein A purified
克隆	单克隆



ChIC/CUT&RUN was performed using a pAG-MNase at a final concentration of 700 ng/mL, 2×10^5 HepG2 (Human liver hepatocellular carcinoma cell line) cells and 5 μ g of ab200142 [EPR19265-130]. The resulting DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 10 million reads. The negative IgG control **ab172730** is also shown.

Additional screenshots of mapped reads can be downloaded [here](#).

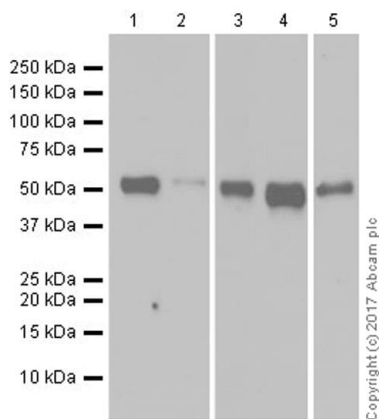
The University of Geneva owns patents relevant to ChIC (Chromatin Immuno-Cleavage) methods.



Chromatin was prepared from HepG2 (human hepatocellular carcinoma epithelial cell) cells according to the Abcam X-ChIP protocol. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 25 μ g of chromatin, 5 μ g of ab200142 (blue), and 20 μ l of Protein A/G sepharose beads. 5 μ g of rabbit normal IgG was added to the beads control (yellow). The immunoprecipitated DNA was quantified by real time PCR (SYBR approach).

ChIP was performed according to the literature (PMID: 18850323).

ChIP - Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP Grade (ab200142)



Western blot - Anti-HNF-4-alpha antibody
[EPR19265-130] - ChIP Grade (ab200142)

All lanes : Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP Grade (ab200142) at 1/2000 dilution

Lane 1 : Human colon lysate

Lane 2 : Human fetal liver lysate

Lane 3 : HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate

Lane 4 : Caco-2 (human colorectal adenocarcinoma cell line) whole cell lysate

Lane 5 : SW480 (human colorectal adenocarcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/2000 dilution

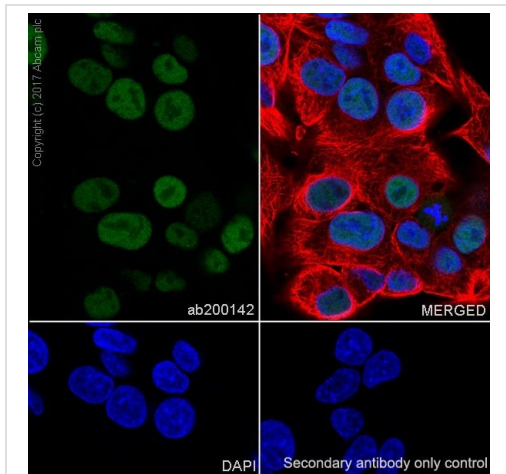
Developed using the ECL technique.

Predicted band size: 53 kDa

Observed band size: 53 kDa

Exposure times: Lanes 1 and 2: 3 minutes; Lanes 3 and 4: 15 seconds; Lane 5: 3 minutes.

Blocking/Dilution buffer: 5% NFDm/TBST.

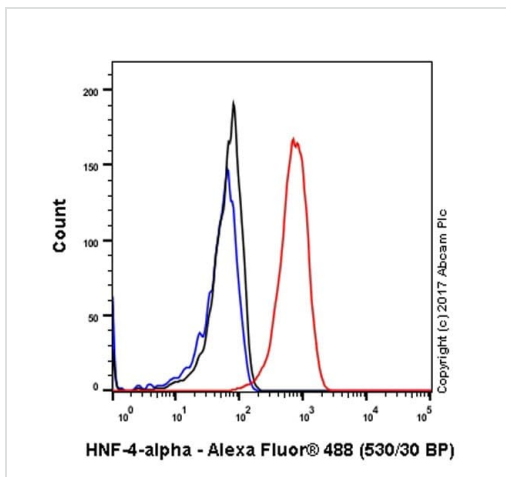


Immunocytochemistry/ Immunofluorescence - Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP Grade (ab200142)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling HNF-4-alpha with ab200142 at 1/100 dilution, followed by **ab150077** AlexaFluor[®]488 Goat anti-Rabbit secondary at 1/1000 dilution (green). Confocal image showing nuclear staining on HepG2 cell line.

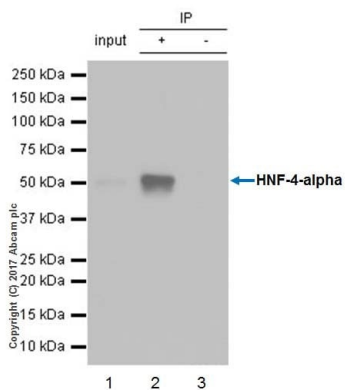
The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) (**ab195889**) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP Grade (ab200142)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cell line labeling HNF-4-alpha with ab200142 at 1/600 (red) compared with Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) (**ab150077**) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP Grade (ab200142)

HNF-4-alpha was immunoprecipitated from 0.35 mg HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate with ab200142 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab200142 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

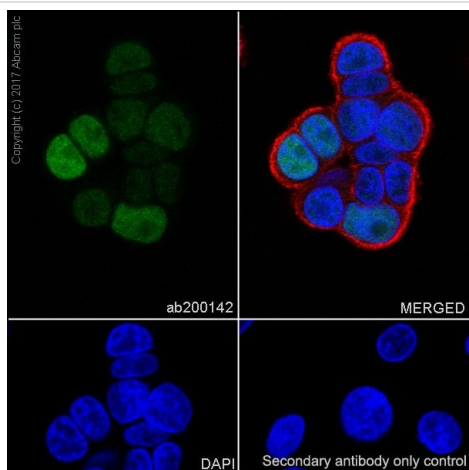
Lane 1: HepG2 (human hepatocellular carcinoma epithelial cell) 10 µg (Input).

Lane 2: ab200142 IP in HepG2 whole cell lysate (+).

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab200142 in HepG2 whole cell lysate (-).

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 minutes.



Immunocytochemistry/ Immunofluorescence - Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP Grade (ab200142)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized SW480 (human colorectal adenocarcinoma cell line) cells labeling HNF-4-alpha with ab200142 at 1/100 dilution, followed by [ab150077](#) AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution (green). Confocal image showing nuclear staining on SW480 cell line.

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

Why choose a recombinant antibody?



Anti-HNF-4-alpha antibody [EPR19265-130] - ChIP
Grade (ab200142)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors